

20000201.qrp v01_n718.qrl.20000201

Date: Tue, 1 Feb 2000 19:03:05 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1718

QRP-L Digest 1718

Topics covered in this issue include:

- 1) [61753] Re: Distorted CW from bugs
by Marty Watt <N5NW@midsouth.rr.com>
- 2) [61754] Testing, 1, 2, 3...
by "Stephen D. Cohen" <scohen@tampabay.rr.com>
- 3) [61755] Learning Code - Sending vs. Copying
by "Brian K. Miller" <millerbk@lancnews.infi.net>
- 4) [61756] Re: QRP CW
by ARDUJENSKI@aol.com
- 5) [61757] Re: Comfortable headphones ?
by The Wheelers <rains@digisys.net>
- 6) [61758] Operation: Wake up call
by "Richard Matthews" <prm@hiwaay.net>
- 7) [61759] Re: Operation: Wake up call
by "Dan W. Dooley" <dandooley@pipeline.com>
- 8) [61760] Richards static
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 9) [61761] Re: Richards static
by "J. Ervin Bates" <w8erv@email.msn.com>
- 10) [61762] Re: Richards static
by "Richard Matthews" <prm@hiwaay.net>
- 11) [61763] I built a kit once
by hamjoel@juno.com
- 12) [61764] Morse Speedometer project
by jacksonharbor@worldnet.att.net
- 13) [61765] QRP Radio needed for disabled Elmer
by "Mike Duke" <k5xu@concentric.net>
- 14) [61766] 100 mW on 15 meters
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 15) [61767] Morse Speedometer
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 16) [61768] QRP CW Good/Bad
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 17) [61769] Re: Operation: Wake up call
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 18) [61770] FOX CHANGE FEB 4th
by michael domeier <ws8d@excite.com>
- 19) [61771] QRP-L commands??

by michael domeier <ws8d@excite.com>
20) [61772] Re: Good CW/Bad CW
by "Nick Kennedy" <nkennedy@tcainternet.com>
21) [61773] Re: Distorted CW from bugs
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
22) [61774]] Re: Distorted CW from bugs
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
23) [61775] Code - good or bad !
by Richard S McKee <kc8aon@juno.com>
24) [61776] Re: Good CW/Bad CW
by "John Moriarity" <k6qq@hdo.net>
25) [61777] FYBO: Father/Daughter multi-op
by David M Kopacki <kf2ew@juno.com>
26) [61778] Re:] Re: Distorted CW from bugs
by Monte Stark <ku7y@dri.edu>
27) [61779] Re: Good CW/Bad CW
by "Francis Callahan" <colcal@srv.net>
28) [61780] Thanks.....
by michael domeier <ws8d@excite.com>
29) [61781] OOPS, Re:Efficiency / dB / Percentage (the arithmetic)
by John R Kirby <n3aaz-qrp@juno.com>
30) [61782] ERATTA Re: IC tone generator!
by John R Kirby <n3aaz-qrp@juno.com>
31) [61783] Re: distorted CW from Bugs....
by "Dillon, W" <w.dillon@ic.ac.uk>
32) [61784] Ten-Tec 1320
by "Rich Clemens" <clemens@wvwc.edu>
33) [61785] Re: Shack visit by N0TU
by "Steve/n0tu" <n0tu@webaccess.net>
34) [61786] 4BTV & vertical antenna queskins
by Nils R Young <nilsbull@juno.com>
35) [61787] Re: Ten-Tec 1320
by "Frank Krozel" <frank@electronicinstrument.com>
36) [61788] FYBO
by "John Humphrey" <jhumphre@ultra-tech.com>
37) [61789] Multiband Verticals and the 4BTV
by "James R. Duffey" <jamesd1@flash.net>
38) [61790] Re: HB audio freq DDS
by Laura Halliday <va3ldh@sympatico.ca>
39) [61791] Re: Comfortable headphones ?
by Jake Brodsky <frussle@erols.com>
40) [61792] Distorted CW from bugs
by "Gary Lee Phillips" <ka9nzi@arrl.net>
41) [61793] RE: Good CW/Bad CW
by "AI2Q Alex" <ai2q@ispchannel.com>
42) [61794] MFJ - 259
by Rod Pruner <rod_pruner@yahoo.com>
43) [61795] SP, Best Start Ever!

by "Zoerb, Ron" <Zoerb.Ron@tci.com>
44) [61796] Re:] Re: Distorted CW from bugs (Sone Posts are Diamonds)... Me
again, so Quite Looooong!
by n3go@us.ibm.com
45) [61797] Re: Distorted CW from bugs
by Chris Cartwright Sr <ccart@phideaux.com>
46) [61798] re: Distorted CW from Bugs
by charles kadesch <chas@digizen.net>
47) [61799] Re: Multiband Verticals and the 4BTV
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
48) [61800] Re: Distorted CW from bugs
by "Pastor-kc1di" <ELBC@PIVOT.NET>
49) [61801] Re: Good CW/Bad CW
by "Pastor-kc1di" <ELBC@PIVOT.NET>
50) [61802] Wainwright solder mounts
by Roger Traylor <traylor@ECE.ORST.EDU>
51) [61803] Re: 4BTV
by "Bob Tellefsen" <n6wg@earthlink.net>
52) [61804] Re: Good CW/Bad CW
by Monte Stark <ku7y@dri.edu>
53) [61805] Re: Multiband Verticals and the 4BTV
by "Bob Tellefsen" <n6wg@earthlink.net>
54) [61806] FYBO
by "Bradfield, Brad V." <BBradfield@spectrapoint.com>
55) [61807] Cover TT2
by "Francis Callahan" <colcal@srv.net>
56) [61808] Re: Good CW/Bad CW
by "K7FD" <cqdx@teleport.com>
57) [61809] cw speed
by ac5ez@webtv.net (K1zw)
58) [61810] XCVR: NC20 mods question...Why tantalum cap?
by Allan G Taylor <agtaylor@llnl.gov>
59) [61811] XCVR: make that 39 ohms and a 22 uF tantalum
by Allan G Taylor <agtaylor@llnl.gov>
60) [61812] Re:NC-20 CAP INFO
by RangerSF5@aol.com
61) [61813] Re: XCVR: NC20 mods question...Why tantalum cap?
by "Jay Bromley" <w5jay@alltel.net>
62) [61814] Free Internet Access
by George F Franklin <w0av@juno.com>
63) [61815] For Sale: Elecraft K2
by Paul Christensen <paulc@mediaone.net>
64) [61816] Re: Good CW/Bad CW
by "Edward A Kwik jr" <eakwikjr@hti.com>
65) [61817] Re: For Sale: Elecraft K2
by Paul Christensen <paulc@mediaone.net>
66) [61818] Responses to my 4BTV & vertical antenna queskins
by Nils R Young <nilsbull@juno.com>

- 67) [61819] Re: FYBO & Phone
by Roger Hightower <n7kt@earthlink.net>
- 68) [61820] Re: XCVR: NC20 mods question...Why tantalum cap?
by Bruce Toback <btoback@optc.com>
- 69) [61821] Free ARRL Extra Class Manual
by Joel Malman <malman@world.std.com>
- 70) [61822] Free Extra Class License Manual
by GUARDM@aol.com
- 71) [61823] Re: XCVR: NC20 mods question...Why tantalum cap?
by Jim Larsen AL7FS <a17fs@pobox.alaska.net>
- 72) [61824] Converse while Sending/Receiving CW
by hamjoel@juno.com
- 73) [61825] GAP Eagle vs R7000 vs Butternut Vertical
by Normk9nk@aol.com
- 74) [61826] Magnum Delta Force
by "Donald P Palmer" <dppalmer@home.com>
- 75) [61827] Good 10-meter Antenna for Portable QRP Use???
by "James P. Rybak" <jrybak@mesastate.edu>
- 76) [61828] INTERNET THOUGHT HF RADIO
by nader omer <naderomer@yahoo.com>
- 77) [61829] ARRL Extra Class Manual
by Joel Malman <malman@world.std.com>
- 78) [61830] Re: Free Internet Access
by markmilburn <markmilburn@netzero.net>
- 79) [61831] ARCI Board election
by markmilburn <markmilburn@netzero.net>
- 80) [61832] Re: Good 10-meter Antenna for Portable QRP Use???
by "Cla KA0GKC" <ka0gkc@arrl.net>
- 81) [61833] Re: Free Internet Access
by Bob Lech <rangersf5@yahoo.com>
- 82) [61834] Re: Good 10-meter Antenna for Portable QRP Use???
by Scott E Olitsky <solitsky@acsu.buffalo.edu>
- 83) [61835] Re: GAP Eagle vs R7000 vs Butternut Vertical
by Curt Milton <wb8yyy@yahoo.com>
- 84) [61836] Re: Good 10-meter Antenna for Portable QRP Use???
by Curt Milton <wb8yyy@yahoo.com>
- 85) [61837] Update on shack cleaning
by Ed Kessler <edkess@epix.net>
- 86) [61838] 10 meter QRP antenna
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 87) [61839] RE: Responses to my 4BTV & vertical antenna queskins
by "AI2Q Alex" <ai2q@ispchannel.com>
- 88) [61840] Re: Distorted CW from bugs
by Bob Nielsen <nielsen@primenet.com>
- 89) [61841] Ah filters !! The cat is in the cat box on this one!
by "Walt Amos" <k8cv@netzero.net>
- 90) [61842] Re: Responses to my 4BTV & vertical antenna queskins
by "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>

- 91) [61843] Re: XCVR: NC20 mods question...Why tantalum cap?
by Richard Matthews <prm@hiwaay.net>
- 92) [61844] Re: Good CW/Bad CW
by Richard Matthews <prm@hiwaay.net>
- 93) [61845] RE: Responses to my 4BTV & vertical antenna queskins
by "AI2Q Alex" <ai2q@ispchannel.com>
- 94) [61846] Bugged by bugs
by "Steven Weber" <kd1jv@moose.ncia.net>
- 95) [61847] Re:%20Distorted%20CW%20from%20bugs
by Wb8siw@aol.com
- 96) [61848] Re: Good CW/Bad CW
by QSLQ@aol.com
- 97) [61849] Re: Converse while Sending/Receiving CW
by "Francis Callahan" <colcal@srv.net>
- 98) [61850] HW-8 Needed
by Richard S McKee <kc8aon@juno.com>
- 99) [61851] Bugs
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 100) [61852] K2 milliwatting with AK7Y
by "Jay Bromley" <w5jay@alltel.net>
- 101) [61853] Re: XCVR: NC20 mods question...Why tantalum cap?
by "Jay Bromley" <w5jay@alltel.net>
- 102) [61854] Re: Converse while Sending/Receiving CW
by Rick Sealey <rsealey@InfoAve.Net>
- 103) [61855] PROP: No point in checking 10 meters...or is there?
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 104) [61856] Re: 4BTV & vertical antenna queskins
by Charles R Greene <cgreene7@juno.com>

Date: Mon, 31 Jan 2000 18:09:07 -0600
From: Marty Watt <N5NW@midsouth.rr.com>
To: qrp-l@lehigh.edu
Subject: [61753] Re: Distorted CW from bugs
Message-ID: <j08c9skkp9m3j2lhufv9hdgmr60tfe6nth@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Mon, 31 Jan 2000 07:00:06 -0500, Bruce Muscolino <w6toy@erols.com> =
wrote:

>Are you saying that "I just can't copy CW so lets all use another mode?"

I sure hope not! I don't mind the bug users of the world. It's those =
who
believe a 5:0.5 ratio of dit/dah is normal "swing/personality" that =

bother me.

A 20wpm dit with a 3wpm dah. Not even close (and, in my humble opinion, =
not
even trying ...)

Someone tells me "SRI OM, TRYING TO GET THE HANG OF THIS BUG" I'll be =
patient
as I can be. I think there are limits to a "swing", and it's in decimals=
from
standard. A nice "swing" is as much in the trained ear, that can hear a =
3.2:1
ratio.

IMHO/YMMV ...

--

Marty, N5NW

-----=

Lakeland (Memphis), Tennessee =
<http://marty.w.tripod.com/>
N5NW@midsouth.rr.com

Date: Mon, 31 Jan 2000 19:24:00 -0500
From: "Stephen D. Cohen" <scohen@tampabay.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [61754] Testing, 1, 2, 3...
Message-ID: <LKBBJJIEAHDIFODLICPOEELJCIAA.scohen@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

I know that test messages are verboten, but I am at wits end. Jim E.
suggested something so I am trying it.

QRP Content? I am doing this instead of working on my WM-2. :-(

73,

Steve, N30IE

Date: Mon, 31 Jan 2000 19:55:13 -0500
From: "Brian K. Miller" <millerbk@lancnews.infi.net>
To: kd7s@psnw.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61755] Learning Code - Sending vs. Copying
Message-ID: <38962EF1.92248F70@lancnews.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I wonder, "What is the experienced opinion of the List is regarding the benefit of learning to send as well as receive code?".

This almost seems like a stupid questions, except that....

.... currently, our Radio Club is conducting a code class and the guy teaching it is almost totally ignorroing learning how to send. Guess he figures that since that the FCC no longer requires a demonstration of ones sending ability, why waste the time!

IMHO, I think that skipping sending practice is a BIG mistake. As others have already said, sending good code is a skill that requires practice in order to develope good technique. Also, I find sending practice really helps to reinforce character recognition and mental recall. It's not only beneficial, but also fun to pick up a magazine and send several paragraphs as fast as I can. A couple of sessions like this really help to improve my character recall and copying speed.

I feel sorry for these students. Imagine when they get their licenses and decide to try their "hand" at morse. Their first "on the air" experience with CW will probably be total disaster - and may be their last.

I am considering urging my friend to include sending practice for his students. Also, perhaps we could do our hobby a significant benefit by petitioning the FCC to reinstate the sending portion of code test.

72/73 Brian k3zen

EPA QRP #38

Date: Mon, 31 Jan 2000 20:06:43 EST
From: ARDUJENSKI@aol.com
To: prm@hiwaay.net, qrp-l@lehigh.edu
Subject: [61756] Re: QRP CW

Message-ID: <11.c34054.25c78ba3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Richard and the group,
Richard,

I think a lot of folks forget that this is a hobby. SOME GOOD POINTS. Hey, I thought a few years ago my code was pretty good until an old timer told me to tape my sending during a session and play it back. His suggestion was to put some more space between those letters. Well, it wasn't until I listened to my own sending that I realized I was part of THEM-the poor senders that I mumbled about. I am very careful since then (and hopefully a better sender as a result). I can carry on a qso with someone who is a little sloppy but will shy away from those who run the characters together.

One of the nicest fists I have listened too was Ben NW7DX. 25+wpm can be a challenge at times for me but young Ben was a pleasure to listen in on and easy copy.

Alan KB7MBI

Date: Tue, 01 Feb 2000 01:13:51 +0000
From: The Wheelers <rains@digisys.net>
To: qrp-l@Lehigh.EDU
Subject: [61757] Re: Comfortable headphones ?
Message-ID: <3896334F.6BA6D600@digisys.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I saw the 60's Koss head phones mentioned, does anyone know where I can get a new element and some new fluid filled ear cups for some old Pro-4A headphones? I have one and a half working sets and hate to see them finally die.

Vern, N7SPK

Date: Mon, 31 Jan 2000 19:24:34 -0600
From: "Richard Matthews" <prm@hiwaay.net>
To: "q" <qrp-l@Lehigh.edu>
Subject: [61758] Operation: Wake up call
Message-ID: <003701bf6c53\$1a486260\$6f85150c@scottsboro.org>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

After all this CW talk, I couldn't wait to get home and fire up my powerful TT2, which I key with a J-38 straight key, and send my melodious sending out to radioland.

I heard a low, low 8 land station calling CQ in a mire of QRM on 7.043, I gave him a call with my 300mw into my 35 foot high inverted vee, and what do you know he heard me and answered back with a 459. Well, I lost him in the QRM but did hear his name was John and he was in Ohio.

To make myself comfortable I pulled a well stuffed recliner up to the operating table before going on the air, so after I lost John, I slid forward in the chair to reach up to get my ragged logbook. I was wearing earbuds and as my lower posterior left the upholstery of the chair I created a static spark off both my inner ears that was strong enough that it ran down the earphone wires and keyed the keyer set up switch on my DSW-40, which I was using as a receiver. Talk about a wake up call, how many of you fellow QRPers ever had your inner ears zapped by static electricity while wearing earbuds? It ain't no fun.

Now I've got to figure how to run my grounding braid to the recliner.

Huh? did somebody say something?

72,

Richard, WA4NWW

How long will I still hear 45 WPM CW even though I dont have any earphones on?

Date: Mon, 31 Jan 2000 19:39:47 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <prm@hiwaay.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61759] Re: Operation: Wake up call
Message-ID: <000e01bf6c55\$3dfd65a0\$05987b7b@CSS0048.bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ya didn't hurt the DSW-40, did ya?

Dan W. Dooley WB5TKA
e-mail to: dandoooley@pipeline.com
May Goddes love blest ye alle

-----Original Message-----

From: Richard Matthews <prm@hiwaay.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Monday, January 31, 2000 7:34 PM
Subject: Operation: Wake up call

>To make myself comfortable I pulled a well stuffed recliner up to the
>operating table before going on the air, so after I lost John, I slid
>forward in the chair to reach up to get my ragged logbook. I was wearing
>earbuds and as my lower posterior left the upholstery of the chair I created
>a static spark off both my inner ears that was strong enough that it ran
>down the earphone wires and keyed the keyer set up switch on my DSW-40,
>which I was using as a receiver. Talk about a wake up call, how many of you
>fellow QRPers ever had your inner ears zapped by static electricity while
>wearing earbuds? It ain't no fun.

Date: Mon, 31 Jan 2000 19:44:53 -0600
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [61760] Richards static
Message-ID: <0974781F4FC8D211A24600902727E806011B1DCC@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

And here I thought Richard was going to tell us that the spark went through
his brain from one ear-bud to the other and short circuited his eyeballs.

All in jest Richard!

Hal

Date: Mon, 31 Jan 2000 20:50:23 -0500
From: "J. Ervin Bates" <w8erv@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61761] Re: Richards static

Message-ID: <013601bf6c56\$b528cb00\$a127113f@win98>

I dunno....sounds like someone is giving us a bunch of "static". Maybe the roots go too deep on that recliner? (hi hi)

72,
Erv

SNAP! QRZ?

Date: Mon, 31 Jan 2000 19:53:48 -0600
From: "Richard Matthews" <prm@hiwaay.net>
To: "q" <qrp-1@Lehigh.edu>
Subject: [61762] Re: Richards static
Message-ID: <005f01bf6c57\$2f37bdc0\$6f85150c@scottsboro.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

No, you know air won't conduct very well.but I think I have it figured out, all that static electricity was built up by my lightning fast J-38 sending during my contact. All that built up high energy had to go somewhere :-)

Richard, WA4NWW just call me "sparky"

----- Original Message -----
From: Deitz, Harold L. <hdeitz@ms.rose.cc.ok.us>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Monday, January 31, 2000 7:44 PM
Subject: Richards static

> And here I thought Richard was going to tell us that the spark went
> through
> his brain from one ear-bud to the other and short circuited his eyeballs.
>
> All in jest Richard!
>
> Hal
>

Date: Mon, 31 Jan 2000 20:48:07 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [61763] I built a kit once
Message-ID: <20000131.204959.-251739.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

may high y'all once meaux

being a cajun lad without all dat proper training and things, I get used to folk smiling at me cause my cornors are a bit rounded or whatever... but let me told u bout a kit I built once...

I forgets now just what it was (xmtr or receiver)(U kneaux they were seperate things back then) however, when I gots threw I brought my knew radio to a friend to see my work... man was my cajun mama smiling... Well!

this dude got all upset cause I didn't put my risistors in the same direction... u kneaux.... color code starting on the same side for each resistor or capacitor... nor were my capicators all facing the same direction (front or back of the rig).... nor was my wiring bent perfectly 90* or 45* ... he rattled on for a long time, I tell u... Lack of pride in my work he said..

However he never noticed all my solder joints were very good, mechanical connections were tight... and I didn't draw no smoke when I fired it up... in fact it worked just fine... just like it was supposed to....and I was so proud of me doing such a fine job building the kit.... I gave it my best shot....even if my friend thought it was a disaster...

U kneaux things haven't changed that much over the years... u still gotta make a good mechanical and electrical connection and put the parts in correctly... (plus to plus and minus to minus) and be a bit more gingerlly when soldering or handling parts...but iffin u take ur time and use the proper tools u gonna build some fine memories in these... ur good ole days... and later on u gonna wonder what's bugging the young whippersnappers... when u get to be a 100yr old, old timer....u kneaux that time is coming.... unless u decide to be a sk before then...

U kneaux this is what I like so much about qrp operation... I get to try many different things without the worry of a real disaster happening iffin I was running lots of power when things go wrong.... and just like way back then... a little power goes a long way... iffin ur radio... ant...operating practice is reasonable... within the tolerance of really good and good'nuff...and sometimes I done some really good stuffs yea...

PS

YEA ur right, I is only an advanced class... no pride I guess, but I told u what...I passed the test for 3rd telegraph at 25wpm solid copy

for one minute and sending perfect copy for one minute, on a j38 st key at that... that was not unusual back then... lotsa folk done it I'm sure... and what we home brewed back then was with differnt parts just as it will be different parts and techniques 20yrs from now... when ur an OT and the youngsters don't seem to be able to relate.... all is normal... best qrp to ya...

Joel KE1LA

In Maine whare it sneauxs

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 01 Feb 2000 02:01:59 +0000

From: jacksonharbor@worldnet.att.net

To: ham-pic@qth.net

Cc: qrp-l@lehigh.edu

Subject: [61764] Morse Speedometer project

Message-ID: <20000201020200.GODI13032@webmail.worldnet.att.net>

Hello folks -

I've placed the source code and schematic for a PIC 16F84 based Morse speedometer project on my web site:

<<http://jacksonharbor.home.att.net/projects.htm>>

The PIC measures the length of the dits in the Morse stream and displays the computed code speed either to a 2 digit LED display or in Morse through a piezo speaker.

Please email any questions/comments to:

jacksonharbor@att.net

Best Regards,

Chuck Olson, WB9KZY

Jackson Harbor Press

Date: Mon, 31 Jan 2000 20:15:32 -0500

From: "Mike Duke" <k5xu@concentric.net>

To: "qrp" <qrp-1@lehigh.edu>
Subject: [61765] QRP Radio needed for disabled Elmer
Message-ID: <014a01bf6c53\$373ea140\$754aadce@k5xu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Below is a message from my friend Kevin in Idaho. If you can help him with this worthy project, please e-mail him directly at the address below.

Thank you.

Mike Duke, K5XU

----- Original Message -----

From: Kevin Nathan <KNathan@ICBVI.STATE.ID.US>
To: <BLIND-HAMS@MAELSTROM.STJOHNS.EDU>
Sent: Monday, January 31, 2000 10:39 AM
Subject: QRP Radio

> Hello All,
>
> I am writing in search of help for a friend. This gentleman was my Elmer
=
> when I was a kid and almost all of my first twenty years of hamming. He =
> has suffered a stroke and is now in a care center not far from Boise. A =
> friend and I built him a twin-lead j-pole antenna for his 2 meter handheld
=
> but he would love to get on the air on HF. The care center is open to =
> this if he uses QRP and CW primarily or strictly. Does anyone on the list
=
> know of a QRP radio such as the Heath HW8 or that general level of radio =
> which might be available at a reasonable price? If so, please let me know
=
> so that maybe we could get him back on HF.
>
> Thanks very much and 73.
> Kevin, K7RX
>
> Kevin Nathan, Adaptive Technologist
> Idaho Commission for the Blind & Visually Impaired
> <mailto:knathan@icbvi.state.id.us>
>

Date: Mon, 31 Jan 2000 20:25:55 -0600
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [61766] 100 mW on 15 meters
Message-ID: <0974781F4FC8D211A24600902727E806011B1DD4@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi all,

Over the weekend, I worked a guy in Oregon using the Harris RF-1310H transmitter (100 milliwatts) to a trap vertical on the ground. Don't have the call in front of me but I received a 429 report. Would this count as a thousand miles per watt or whatever the certificate is for? Also, how do I get this award?

Hal - WB9VMY

Date: Mon, 31 Jan 2000 20:07:57 -0600
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [61767] Morse Speedometer
Message-ID: <0974781F4FC8D211A24600902727E806011B1DCF@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Chuck,

That thing won't do me any gud. I need at least three digits if it determines the speed from the dits. Now if it used the dots, I might be able to get by with one digit.

Just kidding you guys, just kidding!!

Has this gotten real far OT? SRI

Hal

Date: Mon, 31 Jan 2000 20:13:19 -0600
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>

Subject: [61768] QRP CW Good/Bad
Message-ID: <0974781F4FC8D211A24600902727E806011B1DD0@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Listen you guys, with a name like HAL (9000) computer generated code IS my personality.

Hal

Date: Mon, 31 Jan 2000 20:31:40 -0600
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: <prm@hiwaay.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61769] Re: Operation: Wake up call
Message-ID: <003901bf6c5c\$7987d7c0\$215c32cf@tcac.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Richard Matthews" <prm@hiwaay.net>
I created
> a static spark off both my inner ears that was strong
enough that it ran
> down the earphone wires and keyed the keyer set up switch
on my DSW-40,
> which I was using as a receiver. Talk about a wake up
call, how many of you
> fellow QRPers ever had your inner ears zapped by static
electricity while
> wearing earbuds? It ain't no fun.
>

Haven't tried the static version, but it reminds me of a time long ago when I was in high school. I had various cathode keyed transmitters and VFO's tied together at the key, so you can see that the various B-plusses were on the prowl. And I had phones on. I don't remember exactly what I touched, but it gave me a blast thru the earpans. I gave an involuntary kick and flipped my chair over, landing flat on my back. I even looked around to see if one of my evil brothers had snuck up and hit me in the back of the head with a club. But the house was empty except for me.

It was a good example of electroshock therapy. Cured my depression. ;^)

72,

Nick, WA5BDU

Still alive 35 years later, but how?

Date: Mon, 31 Jan 2000 18:26:16 -0800 (PST)
From: michael domeier <ws8d@excite.com>
To: qrp-l@Lehigh.EDU
Subject: [61770] FOX CHANGE FEB 4th
Message-ID: <13653020.949371976936.JavaMail.imal@bernie.excite.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello fellow hunters.

I have the honor of filling in this Thursday night for W8SFF.

I will keep the same sked and start at 0100 Feb 4th.

The station will consist of a Ten-Tec Argonaut II and McCoy dipole with a power

of about 5 Watts. Qth is Waterford, MI (just west of Pontiac)

Good Hunting Mike WS8D

mdomeier@worldnet.att.net
ws8d@arrl.org

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Date: Mon, 31 Jan 2000 18:39:49 -0800 (PST)
From: michael domeier <ws8d@excite.com>
To: qrp-l@Lehigh.EDU
Subject: [61771] QRP-L commands??
Message-ID: <22805280.949372789769.JavaMail.imal@bernie.excite.com>

Going the other direction (spacing shorter than THE BOOK requires): Back when I was a 13 year old kid, I asked my mentor why so many people would tune a bit and then send, "NST NST." He sent the same thing for me, slowly, asking me letter by letter until I got it: "TEST." It was standard practice to run the T and E together. And everyone knew what it meant, except me--I was the new kid on the radio.

When I'm sending WA5BDU, I may put minimal (but detectable) space between the W and the A. But more between the B, D and U. The other night on the 160 meter contest, when people asked for repeats, they typically needed the BDU part. The WA5 part was easy. So I'd send WA5 (fast), then B D U. I did it cause I was sending for a human, not a computer. Don't get me wrong, I like computers. But computers weren't doing the copying.

72,

Nick, WA5 B D U

in ... Arkansas

Speaking of bugs. A couple years ago, I was able to buy a bug just like the old Jap (Hi-Mound) bug I had way back then. I thought when I was using it I sounded great. But I hooked my replacement up and sent a while and thought, "Geez, this sounds terrible!" Either I didn't sound as good back then as I'd thought, or I've lost the touch.

And another afterthought--I also don't like those super light dits. When I have an adjustable keyer, I set it up for slightly heavier than perfect dits.

QRP related? I hope so. It seems that many (but not all, I know) QRPers are interested in the art of CW and friendly discussions of same do fit here.

Date: Mon, 31 Jan 2000 22:23:50 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [61773] Re: Distorted CW from bugs
Message-ID: <389651C6.1A99B6BB@home.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I go back to something I learned back when I played drums. Most of us tend to try to go faster than our best sounding speed. Sure I can send at 20+ but when I throttle back to 18 or so my sending gets very clean with good rythmn and few mistakes. I find this also applies (with speed variations, to keyers, bugs and hand keys) Of course most of us have a goal to be QRQ Ops and continued study will get me there, but sometimes QRS, if only by a couple of words per minute can make almost any fist a joy to hear.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Mon, 31 Jan 2000 22:38:06 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [61774]] Re: Distorted CW from bugs
Message-ID: <3896551E.F5C8178C@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If memory serves, military operators were expected to demonstrate a hand key proficiency in the neighborhood of 18 - 20 wpm before they were allowed to use a bug. While a bug can be trained to go slow with enough wieght the design came from a need to run high speed code. I can remember from back in my Novice days that a lot of young ops tried to get Daddy's bug to run down at 5-10 wpm and got very frustrated. It seems to me from what I hear on the air that a bug doesn't come into its own until the op can get up around 20-25 wpm. Only then does the overly pronounced swing go away and turn into that beautiful accent that no electronic keyer can ever hope to create.

Michael L. Evans wrote:

> I've never posted before, but couldn't resist this one. One night somewhere

> out in the Pacific in WWII on a command ship called USS Appalachian,
my
> Grandfather decided to try a bug for the first time. He said "Man,
every
> time I tried it, they would immediately break in - Negative! Stop!
Cannot
> copy a bug!". They knew exactly what he was using and some of the
radio ops
> just hated it!
>
> 72/73
> KD5AAD

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Mon, 31 Jan 2000 18:29:40 EST
From: Richard S McKee <kc8aon@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [61775] Code - good or bad !
Message-ID: <20000131.205546.4567.6.kc8aon@juno.com>

QST to all !

Just thought I'd throw in my 2 cents worth, I tried a bug and could not get the hang of sending manual "dahs", to used to my bencher paddles ! But I learned how to send code on a \$12 straight key which I still have, along with a J-38 and an RM-1. Ok, you say you never heard of an RM-1, well it's a homebrew that I am very proud of ! I'm not bragging at all, but the folks that live around here, cannot tell any difference when I switch from my Bencher paddle to one of my straight keys. As a matter of fact, the J-38 was sent to me as a gift along with a QSL card telling me that I should put it on the air since he couldn't master it himself. But the point I'm trying to make here is that some folks can send good code and some can't and it doesn't matter what they use to send it with either. But if we keep ignoring the ones that can't, then they will most likely give it up all together and that's a big shame ! I applaud them for at least trying, which is a lot more than some folks do. Who knows, maybe they haven't mastered the skill because they just haven't had

enough practice. I put a lot of time in on a code practice oscillator before I ever got on the air, and believe me, my first code sounded like crap ! But after listening to tapes, W1AW code practice and other sources I soon learned how to form good sounding code. Next time you hear someone calling CQ with not so good code, answer them ! But then take the time to "Elmer" them and tell them in a nice way where they need to improve - don't discourage them - help them ! I think that sending and receiving code with a computer is cheating, my feelings are " if you use a computer then why not use RTTY ? but I don't condemn anyone for using a computer - I just don't use one for CW myself. Bottom line is this: Don't discourage anyone from using CW, no matter how it's sent, we are loosing enough operators as it is.....nuf said !

PS: Record one of your QSO"s sometime, and listen to yourself later and then give an honest appraisal of your code here.

didahdidahdit

73...Rick McKee KC8AON { CW lives as long as I do ! }
Willow Wood,Ohio
AR QRP # 269
QRP-L # 2112
ZOMBIE # 718

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Date: Mon, 31 Jan 2000 21:39:50 -0800
From: "John Moriarity" <k6qq@hdo.net>
To: <hdeitz@ms.rose.cc.ok.us>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [61776] Re: Good CW/Bad CW
Message-ID: <013101bf6c7a\$092b3620\$e3424cd1@k6qq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Deitz, Harold L. <hdeitz@ms.rose.cc.ok.us>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Monday, January 31, 2000 1:20 PM
Subject: Good CW/Bad CW

> I just can't sit by and not say anything anymore!

Neither can I!

> It seems that there are alot of old timers out there that think that
good CW

> has a personal "swing" to it. You know, not proper spacing, but
something

> they have been doing for 100 years.

Wrong! I've only been doing it for 50 years.

> I was really hoping that the FCC would

> start testing on ones abillity to SEND CW instead of copy it.

I took my 20 wpm SENDING test with a bug, in front of an FCC examiner,
and passed. Did you?

> ... If you try to copy improperly spaced CW, it just isn't worth

> the time to mess with.

Well, I don't think my sending is bad, just not perfect. If I'm not
worth

the time to mess with. that's O.K., you probably aren't very interesting
to

talk to, either.

> I strive to send code on a straight key that is spaced so well that
you

> can't tell it from computer generated code.

Heck, then, I might just as well have a QS0 with a computer! Keyers are
nice, but I really miss the days when I could recognize my friends by
their fists.

Sorry, Harold, I think you just need to lighten up a bit. Relax and
enjoy.

If my sending isn't good enough for you to copy, ask me to QRS. Pride
in

being able to copy "bad" code feels just as good as pride in sending
"good" code.

I guess I need to get my bug out and start using it again ;-)

73,

John, K6QQ

Date: Tue, 1 Feb 2000 06:15:10 -0500
From: David M Kopacki <kf2ew@juno.com>
To: qrp-1@lehigh.edu
Subject: [61777] FYBO: Father/Daughter multi-op
Message-ID: <20000201.061510.-16529557.0.kf2ew@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hello, everyone. Superbowl is over, now it's FYBO week!

Ashley (KC2EEQ) and I will be working a father / daughter multi-op, using my callsign (KF2EW). Of course, she'll send her name when she's the operator. We are considering doing QRPP, also.

We worked last year from a tent, this year the ground is covered with snow and we'll be inside. She's 7 years old now.

Are there any other parent / child teams out there?

73 es gud luck,
Mike

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 31 Jan 2000 20:35:37 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61778] Re:] Re: Distorted CW from bugs
Message-ID: <Pine.GS0.4.10.10001312015100.29264-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 31 Jan 2000, T.J. "SKIP" Arey N2EI wrote:

> seems to me from what I hear on the air that a bug doesn't come into its
> own until the op can get up around 20-25 wpm. Only then does the overly
> pronounced swing go away and turn into that beautiful accent that no
> electronic keyer can ever hope to create.

I had a long talk with Mitch of Vibroplex about slowing a bug down. The reason is that my Vibroplex will slow to about 25 wpm or so and that's a bit too fast for me to get back into the habit of sending good CW with it.

Adding more weight does have a limit.

If you look at a bug (of the Vibroplex design) you will see that the arm where the weight's go in fastened to a spring. This spring sets the rate at which the arm will move back and forth.

It is not really adjustable.

However.....if you are brave or have enough money to buy another arm assy in case you ruin it.....you can use heat to remove a little of the "spring" from the spring. I have never tried this and doubt that I ever will but.....

I now have another bug which needs some gentle TLC but it will slow down to about 15 wpm! It's the slowest bug I've yet to play with.

In a private E-Mail an OT that knows bugs mentioned some of the adjustments. And with a bug, they MUST be adjusted right or you will never be able to send very good CW.

One of the tricks I learned is this....

After getting all the other parts adjusted, you are ready to set the "dit" contact. I have been shown how and have read how. Many ways from many people.

But the one that I find (for me) to be the very best is to put an ohm meter (one of those real ones with a real meter!) on the output of the bug. Hold the dash side closed and adjust the meter for 100% full scale reading.

Now send a string of dits and adjust the dit contact until the meter reads right on 50%.

Only measure (or pay attention to) the first 6 to 8 dits. Much more than that and the meter will start to move up

and that's normal.

This gives good, even sounding dits. Not too light and not too heavy, but just right!

Someone posted a WEB page with instructions on adjusting a bug.

While I enjoy bugs, I hate hand keys! I had to qualify at 25 wpm code groups in the Army and never got over that! But I can recognize good hand key sending and I don't hear much on the bands.

Everything that is being said about poor sending with a bug can also be said about hand keys too....only they tend to be slower!

For those who want to work on their hand key sending here is how they had us do it at Camp Gordon in 1954...

Put your sending fingers on a book, holding them just as if you had a key in your fingers.

Then slide a hand key under your wrist and send CW with your wrist. Learning to make all the dits with wrist action stops the dreaded "finger" dits which are made by "shaking" the fingers that are not holding on to the key knob.

This makes very light sounding dits and will even show up on a scope. This was a FAIL, only one of many ways to fail in that school.

Just thinking about how easy it was to learn new ways when I was 18 yrs old!

Enjoy,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Tue, 1 Feb 2000 05:11:00 -0700

From: "Francis Callahan" <colcal@srv.net>
To: <k6qq@hdo.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61779] Re: Good CW/Bad CW
Message-ID: <001501bf6cad\$685e0f40\$71de070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Recognizing a fist last forever I had a friend that I worked almost daily as a novice 20 years ago, but hadn't worked him in over 20 years but on a trip back east I heard him on cw and even before he sent his callsign I knew it was him, he has never bought a mike and has worked strickly cw for over 25 years and with nothing but a J38 key 72 Cal KF7ET/Idaho

----- Original Message -----

From: "John Moriarity" <k6qq@hdo.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, January 31, 2000 10:39 PM
Subject: Re: Good CW/Bad CW

>

> ----- Original Message -----

> From: Deitz, Harold L. <hdeitz@ms.rose.cc.ok.us>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Sent: Monday, January 31, 2000 1:20 PM
> Subject: Good CW/Bad CW

>

>

> > I just can't sit by and not say anything anymore!

>

> Neither can I!

>

> > It seems that there are alot of old timers out there that think that
> good CW

> > has a personal "swing" to it. You know, not proper spacing, but
> something

> > they have been doing for 100 years.

>

> Wrong! I've only been doing it for 50 years.

>

> > I was really hoping that the FCC would

> > start testing on ones abillity to SEND CW instead of copy it.

>

> I took my 20 wpm SENDING test with a bug, in front of an FCC examiner,
> and passed. Did you?

>

> > ... If you try to copy improperly spaced CW, it just isn't worth

> > the time to mess with.
>
> Well, I don't think my sending is bad, just not perfect. If I'm not
> worth
> the time to mess with. that's O.K., you probably aren't very interesting
> to
> talk to, either.
>
> > I strive to send code on a straight key that is spaced so well that
> you
> > can't tell it from computer generated code.
>
> Heck, then, I might just as well have a QSO with a computer! Keyers are
> nice, but I really miss the days when I could recognize my friends by
> their fists.
>
> Sorry, Harold, I think you just need to lighten up a bit. Relax and
> enjoy.
> If my sending isn't good enough for you to copy, ask me to QRS. Pride
> in
> being able to copy "bad" code feels just as good as pride in sending
> "good" code.
>
> I guess I need to get my bug out and start using it again ;-)
>
> 73,
>
> John, K6QQ
>
>

Date: Tue, 1 Feb 2000 04:46:37 -0800 (PST)
From: michael domeier <ws8d@excite.com>
To: qrp-1@Lehigh.EDU
Subject: [61780] Thanks.....
Message-ID: <19891065.949409197950.JavaMail.imal@bernie.excite.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thank you for all the help, I had the commands canned somewhere, just can't
find em.....

thanks again Mike WS8D

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Date: Tue, 1 Feb 2000 07:46:21 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [61781] OOPS, Re:Efficiency / dB / Percentage (the arithmetic)
Message-ID: <20000201.075549.-118215.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

MY ERROR OOPS MY ERROR

RE . . . the "test question" from . . .

>From: n3aaz-qrp@juno.com
>To: qrp-1@Lehigh.EDU
>Date: Mon, 31 Jan 2000 09:59:55 -0500
>Subject: Efficiency / dB / Percentage (the arithmetic)

This is correct . . .
 >> $10 \log(0.75)$ IS -1.25 dB <<
NOT >> -1.78 << that I posted in error ; (

Thanks again for all the help : >)

That test question NOW reads . . .

. . . how do you express 75 % efficient in terms of dB?
. . . The answer is -1.25 dB, now,
. . . for a 5 W input what is the output power in Watts?

John
N3AAZ
FM19xa

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Date: Tue, 1 Feb 2000 07:54:17 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [61782] ERATTA Re: IC tone generator!
Message-ID: <20000201.075549.-118215.2.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

1) Several ask . . . ? what book . . .
This 73 is the magazine . . .
>>The New 73 Amaterur Radio Today<<

2) Several ask ? . . . "Please send . . .
Sorry : o { copyright laws do not allow, but . . .

I suggest try this . . .
RE >73, Jan / Feb 2000, page 22
1) >web >>www.waynegreen.com<<
>email >>design73@aol.com<<
t o contact the publisher

2) or this . . .
>Craig Sellen
>Mallard Meadows, Rm 405
>476 Belmont St.
>Waymart PA 18472
to contact the author.

73
John
N3AAZ
FM19xa

>Question. . . info about a IC that generate 1Khz tone?
>
>May be this will help . . .
>
>Sine, triangle, and square wave from 25 Hz to 25 kHz in three bands.
>
>One opamp, TL082 or LF353

>One FET, MPF102
>One 2N2222
>by
>Craig Sellen
>Mallard Meadows, Rm 405
>476 Belmont St.
>Waymart PA 18472
>
>from
>73, Jan / Feb 2000, page 22
>web >>www.waynegreen.com<<
>email >>design73@aol.com<<
>
>
>John
>N3AAZ
>FM19xa

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 1 Feb 2000 13:14:27 -0000
From: "Dillon, W" <w.dillon@ic.ac.uk>
To: "'qrp-l@lehigh.EDU'" <qrp-l@lehigh.edu>
Subject: [61783] Re: distorted CW from Bugs....
Message-ID: <38CF2360EE0CD211952500A0C9498CE701C35B04@icex3.cc.ic.ac.uk>
MIME-Version: 1.0
Content-Type: text/plain

Hi Gang,

I've been reading this thread for some time now and would just like to pass on a snippet of info I found invaluable when I had to set up my own Bug. I found a set of very easy to follow instructions in the book, "Morse Code - The Essential Language". A whole section on 'Bug' keys. Although I've set mine up according to the instructions and it now 'feels right' it's going to be a while before I have the confidence to go on the air with it. Nonetheless a good line of discussion which I am enjoying!

72/3! to all de Wayne - G0JJQ G-QRP-5233 FISTS-0851

Wayne S. Dillon
I.C. Estates division

Imperial College of Science, Technology and Medicine
Exhibition Road
South Kensington
London
SW7 2AZ

0207 594 9030
0973 321 733

w.dillon@ic.ac.uk

Date: Tue, 1 Feb 2000 08:41:33 -0500
From: "Rich Clemens" <clemens@wvwc.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61784] Ten-Tec 1320
Message-ID: <001901bf6cba\$0e2e5ea0\$f065010a@wvwc.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just finished my TEN-TEC 1320 20 CW Transceiver and it is working very well. Output is a full 3 watts and little or no problems associated with the 6.144 IF that so many complained about. Also, I must say to those that broke the leads to the power transistor, you should really not try to use your Black and Decker Power Screwdriver on such kits. The fine touch of a hand held phillips head is essential!

I do notice a bit of a click on the side-tone (not the transmitted signal) and wonder if anyone has a mod.

BTW this kit is sufficiently complex I would not suggest it for the first time kit builder.

--
Richard Clemens
clemens@wvwc.edu

Date: Tue, 1 Feb 2000 06:56:27 -0700
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>, <we6w@qsl.net>

Subject: [61785] Re: Shack visit by N0TU
Message-ID: <014601bf6cbc\$231cba80\$5448460f@snp.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

TKS Ed for the shack tour! Very educational and FUN.

Reminded me of my Elmers garage - cramed w/lots of goodies. Every square inch Ed's shack is jammed with a electronic gizmo or project that has a fun story behind it. - and he really enjoys telling you about. I was in his area on business travel thought I was stop over for a shack visit ...left my jacket in the car. I didn't know Ed's shack would qualify for high-point FYBO status. A shivering hour later we tore ourselves loose from the museum of science and industry and continued our QSO over some brew and grub. Ed gave me some tips on how to adjust my K2 filters which seem to escape my ability to get them 'just right'! But I was most interested in Ed's antenna and feedline experiments. Amazing how low the loses are on the twisted pair compared to the double coax. I've got to try this arrangement soon. What a great way to cut down on weight for field antennas and keep those loses down.

TU Ed!Steve/n0tu
-----Original Message-----
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Friday, January 28, 2000 1:14 PM
Subject: Shack visit by N0TU

>Hi Gang, it was great. Steve/N0TU and I work
>at the same company and he found time to
>visit my shack and have dinner at my favorite
>pub.
>
>We had so much fun perusing the shack that
>we darn near ran out of time for dinner.
>
>It was funny, Steve was to find my place and
>I told him I'd put the garbage can out
>front so he's see notice my QTH easier.
>
>Ha! I got home and it was trash day -- everyone
>had their garbage cans out! I ended up hanging
>around out front.
>
>He really liked the KD7S 20 to 10 Meter loop

>tuned with the trombone tuner. But the latest
>call to 160 Meters was begging so we spent a
>lot of time with my co-planar wound 160 meter
>TX/RX loop! It was fun explaining why I used
>Hi-Voltage TX lines to the loop. All homebrew
>of course. It was easy to share the plans since
>they are on my webpage. Too bad the firewall
>has kept me from updating the page at lunchtime.
>I need to get FTP going from home.
>
>As with all my visitors, I sent him off with a
>smart charger and a complete demo on how it
>works, and how it shuts off with bad batteries
>or open circuits. Also fun was demonstrating
>the 10 MHz OCXO on the HP8566B spectrum analyzer.
>That's one clean signal.
>
>I also showed him how I learned to send left
>handed after I didn't like the clumsiness of
>both writing and sending right handed. More room
>on the table with the paddles and bugs to
>the left. Especially when I've always got
>a coffee mug going.
>
>After many qso's, it was nice to have an
>eyeball.
>
>With all the mess from activities in the
>shack, I didn't have the heart to tell him
>that I recently cleaned it up :)
>
>72/Ed we6w
>--
>-72/Ed WE6W; AR Millennium Q's=> 2479/2000 A-1 OP
> <http://www.qsl.net/we6w> Santa Rosa, CA
>QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227
>

Date: Tue, 1 Feb 2000 08:53:12 -0500
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [61786] 4BTV & vertical antenna queskins
Message-ID: <20000201.085320.-196061.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Hi-dee ho!

Many years ago . . . like nearly 30 (yipes!) . . . I went down to the local radio store (remember them?) and bought a 4BTV antenna & some RG8. I put the beast together, hosed it up to my SB401/301 set up & let fly some CQs. It seemed to work pretty well & it was nice to not have to sweat tuning things.

Since that time, and after going through about 16 different antenna tuner designs, I've gotten a lot more critical about multiband anythings, let alone verticals. But I still think I remember them days of yore.

At which point there's this: I'm thinking of getting a multiband vertical, mounting it on about 8 ft of mast pipe at one corner of the house for use with the K2 in the miniature radio room in the office from Lilliput (as opposed to the full-fledged junk box collection in an unheated outhouse set up). Which generates the next line . . .

A question, then, for the masses: Anyone use a band-trap vertical & like it? Among the many out there, which seems to be the most reasonable for durability, lack of non-generic parts &c?

And most important to me: How's the bandwidth? Am I looking at something that's dead miserable SWR (anything over 1.5:1 is bad to me) at band edges? And can the bandwidth settings be changed? (As in: are there optimum adjustment settings for phone versus CW bandwidths?)

And does your version of whatever vertical need to be ground mounted & if so, how far off the ground before you have to start plonking out the radials or "counterpoise" elements? (I ain't so interested in the now-famous "but you gotta have radials" argument right now.)

Now, I may not have money to do this, but I'd like to have my irreverent reveries & memories deflated before I start putting all the hardware together.

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
Sonrientes

<http://home.fiberia.com/wb8ijn> -- W8IJN --

<http://members.xoom.com/nilsbull>

"In my day you had to FIGHT to have oligarchs! Every day was a STRUGGLE!

-- Comrade Sergei Nikolaevich McTovarishov --

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 1 Feb 2000 08:37:20 -0600
From: "Frank Krozel" <frank@electronicinstrument.com>
To: <clemens@wvwc.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61787] Re: Ten-Tec 1320
Message-ID: <001b01bf6cc1\$d9e7d380\$7db6dccc@kg9h>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Richard:

I built the 1340 (No it is not for sale.... Hi Hi.)
And also had a problem switching from T to R. I waited a long time., but TT
came out with a solution, which works great! By removing C-1, the <click>
went away. There was also a resistor that needed to be added, but this
didn't fix that problem. I did leave it in the circuit, after removing C-1
though. Reference the transistor final I waited until I saw the clearance
needed when fully assembled, b-e-f-o-r-e soldering the final in. All works
great. I operate a lot of 7.040 with mine. Frank Krozel KG9H

----- Original Message -----

From: Rich Clemens <clemens@wvwc.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, February 01, 2000 7:41 AM
Subject: Ten-Tec 1320

> Just finished my TEN-TEC 1320 20 CW Transceiver and it is working very
> well.
> Output is a full 3 watts and little or no problems associated with the
> 6.144
> IF that so many complained about. Also, I must say to those that broke
> the
> leads to the power transistor, you should really not try to use your Black
> and Decker Power Screwdriver on such kits. The fine touch of a hand held
> phillips head is essential!
>
> I do notice a bit of a click on the side-tone (not the transmitted signal)
> and wonder if anyone has a mod.
>
> BTW this kit is sufficiently complex I would not suggest it for the first
> time kit builder.
>
> --

> Richard Clemens
> clemens@wwwc.edu
>
>

Date: Tue, 01 Feb 2000 09:40:07 -0500
From: "John Humphrey" <jhumphre@ultra-tech.com>
To: qrp-l@lehigh.edu
Subject: [61788] FYB0
Message-ID: <s896aa0d.024@ultra-tech.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

Fellow FYB0'ers,

Doug, W4IDW and I will be operating FYB0 from the woods behind his =
place in Stafford. Will be on 40, 20 and 10 for sure and possibly 80 and =
15. Looks like low multipliers for us, though. A heat wave is expected =
here in Va. for this weekend. I bet Sunspot is going to set a new low =
record! Maybe next year, Jay! Look for a report on this momentous =
occasion on the VQS web site.

Hope to hear you all this Saturday!
72,73,
John W4IM QRP-L #1691
Stafford, Va.

Date: Tue, 01 Feb 2000 07:46:43 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: qrp-l@lehigh.edu
Cc: nilsbull@juno.com
Subject: [61789] Multiband Verticals and the 4BTV
Message-ID: <200002011446.IAA21949@ogopogo.flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Nils - Your post piqued my interest. I too started my Ham career 30
years ago with a multiband vertical, the 14AVQ, added two more to it for
phased verticals and some gain. My dad still uses one of the 14AVQs, one
of the others having succumbed to vandals and the other to high winds.

One of the verticals was replaced by an R-5 and the other by a Butternut. In some crude comparisons I made the R-5 seemed to outperform the 14AVQ by a small margin and the Butternut by a larger margin.

Having said this you must realize that multiband antennas are a compromise. You acknowledge this in your post. Expecting a bandwidth of a full band on 40 M with less than 1.5:1 SWR with good efficiency is certainly out of the question. The old 14AVQs had different CW and Phone settings. I think the R-5 just has one setting.

Also, I don't think that anybody makes the old quarter wave multiband verticals like the 4BTV and 14AVQ that include the WARC bands.

My suggestion for a multiband vertical is a 22 ft vertical. Make one out of good aluminum tubing or use a 5/8 wave CB vertical (with the loading coil removed). Feed it at the bottom with a remote automatic antenna tuner like the LDG. Use 3 or 4 radials per band. This will operate well on all bands from 40 M to 10 M with reasonable efficiency. The cost will be similar to commercial multiband antennas and when you get tired of it you can always use the parts for other projects.

Barring that you might consider several "multiband antennas". An R-5 for 20 M and up and paralleled monopoles on 160M to 30 M ala AC7A's October 1998 QST article would be a good pair.

I know a lot of people that use the R-7 and R-7000. I am leary of these antennas on 40 M since they require a lot of loading to achieve resonance at that band which surely must be accompanied by rather large losses.

Getting the vertical off the ground by 8 ft will reduce the need for radials. You may wish to use slightly shortened radials to avoid radiation from them.

What makes those turkeys smile anyway?? - Dr. Megacycle KK6MC/5
James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Tue, 01 Feb 2000 10:12:19 -0500
From: Laura Halliday <va3ldh@sympatico.ca>
To: qrp-l@lehigh.edu
Subject: [61790] Re: HB audio freq DDS
Message-ID: <3896F7D3.B328735C@sympatico.ca>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I wrote a silly little audio DDS program last year while
figuring out how to make noises out my computer's sound card.
You can download it from:

<http://www.qsl.net/va3ldh/noise.c>

My mom's comment on hearing the output: "Wendy Carlos has nothing
to worry about!"

--

Laura Halliday VA3LDH "Laisse le vent tout emporter..."
Grid: FN03gs - Foly/Viennet

Date: Tue, 01 Feb 2000 10:17:25 -0500
From: Jake Brodsky <frussle@erols.com>
To: qrp-1@lehigh.edu
Subject: [61791] Re: Comfortable headphones ?
Message-ID: <nvt9s48gg4dog4r66fhmsg7ghhnsacgur@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Among Aviators the subject of headphones is of very great importance.
=46or passive models, most of my aviator friends love the Peltor
headsets. You can purchase them at reasonable prices (around \$200)
from most pilot shops. =20

There are also some electronic noise canceling headsets. I should
warn you that these headsets are primarily good for reducing engine
rumble, and that noise canceling performance starts degrading above
1000 Hz. =20

That said, however, you can purchase active noise canceling headphones
(without microphones) for around \$50. Many traveler oriented catalogs
have these things in them.

73,

Jake Brodsky, <mailto:frussle@erols.com>
PP ASEL IA, Cessna Cardinal N30946, Based @ MD24
Amateur Radio Station AB3A

Date: Tue, 1 Feb 2000 09:34:03 -0600
From: "Gary Lee Phillips" <ka9nzi@arrl.net>
To: qrp-l@lehigh.edu
Subject: [61792] Distorted CW from bugs
Message-ID: <200002011534.JAA23513@mail.lib.colum.edu>

T.J. has a good point about bugs having a lower speed limit. This is part of the design, and many won't go down to 20wpm or slower. But some will. The odd "Skillman" I have gets down to 15 or so when adjusted carefully. I've never seen another like it, have no idea how old it is or anything. The works are contained in a shallow, weighted, box base and there is a plastic dust cover (transparent) that sits over them. The actuating lever is a smooth plastic or bakelite paddle rather than the asymmetric design with a knob on the side used by Vibroplex.

Just because you can't slow your Vibroplex dit rate below 20 wpm doesn't mean you can't use a bug to send 10 wpm, but to do so you have to use the "Farnsworth" method advocated by the ARRL. The character timing stays at 20 or whatever the bug is set for, but you increase the spacing between the letters and words to slow down the overall rate of transmission. I do believe this is valuable for us slow learners, because it still encourages hearing letters and words as whole sounds.

When I worked more CW (mostly digital these days, RTTY, packet, etc.) I spent a lot of time in the novice/tech subbands just because I don't enjoy QRQ morse. It makes me feel pressured, I think. But I used to keep both a straight key and the bug connected in parallel. That way I could switch between them if necessary to QRS enough for a real slow beginner.

Which brings up a side topic. I hear lots of people discussing the merits/demerits of various bugs and electronic keyers, but little talk about the straight key. Now I think straight keys have a lot of esthetic in themselves, even though I don't collect them personally. The one I use is probably from Radio Shack, I think it is a replica of some military surplus design. It has a brass oval base about 3 inches long and isn't heavy enough to use unless it is screwed down to a wooden base or the desktop. The knob is flat on top (is that what they call a "navy" knob or is it the opposite?) and there is one of those useless shorting levers that locks the key closed (a holdover from landline telegraphy?)

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-ARCI #5154 <http://www.netcom.com/~fuffle/>

Date: Tue, 1 Feb 2000 10:36:02 -0500
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: <colcal@srv.net>
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [61793] RE: Good CW/Bad CW
Message-ID: <001501bf6cca\$0c61e8c0\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks guys. I use a Ted McElroy "bug" here for every day operation, and often get nice comments about its "sound." I also find that, occasionally, it does get cantankerous, and demands adjustment. I also use a Vibroplex bug from time to time, and it's nice too, but needs occasional adjustment as well. I also lightly burnish the contacts from time to time.

I also find that the sound and timbre of the sidetone is VERY significant, in terms of how well I can send with a semiautomatic key. A smooth sidetone makes for smooth sending. That statement may not sound sensical to those who haven't tried or experienced it, but it's true nonetheless.

Personally, I think the ability to spell is THE most important attribute for a good, conversational-speed, CW op.

I've built and tried keyers, and don't really care for them. They sound too robotic for me. I've also set up a computer to "copy" my sending with a bug, and that can be done--but it isn't important. A certain degree of "swing" will fool the dumb computer--but not a savvy op at the other end!

One last comment: a bug is better for QSK than any self-completing keyer. It's simply snappier. You can interrupt a character whenever you wish.

Long live the semiautomatic key! Dit-dah-di-dah-dit!

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Francis Callahan
Sent: Tuesday, February 01, 2000 7:11 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Good CW/Bad CW

Recognizing a fist last forever I had a friend that I worked almost daily as a novice 20 years ago, but hadn't worked him in over 20 years but on a trip back east I heard him on cw and even before he sent his callsign I knew it was him, he has never bought a mike and has worked strickly cw for over 25 years and with nothing but a J38 key 72 Cal KF7ET/Idaho

----- Original Message -----

From: "John Moriarity" <k6qq@hdo.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Monday, January 31, 2000 10:39 PM

Subject: Re: Good CW/Bad CW

>

> ----- Original Message -----

> From: Deitz, Harold L. <hdeitz@ms.rose.cc.ok.us>

> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

> Sent: Monday, January 31, 2000 1:20 PM

> Subject: Good CW/Bad CW

>

>

> > I just can't sit by and not say anything anymore!

>

> Neither can I!

>

> > It seems that there are alot of old timers out there that think that

> good CW

> > has a personal "swing" to it. You know, not proper spacing, but

> something

> > they have been doing for 100 years.

>

> Wrong! I've only been doing it for 50 years.

>

> > I was really hoping that the FCC would

> > start testing on ones abillity to SEND CW instead of copy it.

>

> I took my 20 wpm SENDING test with a bug, in front of an FCC examiner,

> and passed. Did you?

>

> > ... If you try to copy improperly spaced CW, it just isn't worth

> > the time to mess with.

>

> Well, I don't think my sending is bad, just not perfect. If I'm not

> worth

> the time to mess with. that's O.K., you probably aren't very interesting

> to

> talk to, either.

>
> > I strive to send code on a straight key that is spaced so well that
> you
> > can't tell it from computer generated code.
>
> Heck, then, I might just as well have a QSO with a computer! Keyers are
> nice, but I really miss the days when I could recognize my friends by
> their fists.
>
> Sorry, Harold, I think you just need to lighten up a bit. Relax and
> enjoy.
> If my sending isn't good enough for you to copy, ask me to QRS. Pride
> in
> being able to copy "bad" code feels just as good as pride in sending
> "good" code.
>
> I guess I need to get my bug out and start using it again ;-)
>
> 73,
>
> John, K6QQ
>
>

Date: Tue, 1 Feb 2000 07:40:29 -0800 (PST)
From: Rod Pruner <rod_pruner@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [61794] MFJ - 259
Message-ID: <20000201154029.16099.qmail@web1505.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

How does the MFJ-259 work when testing/tuning
a closed loop antenna ? I have a "delta-loop"
antenna on 30m fed with a 1/4 wave matching stub
made from 72 ohm coax which is fed with 52 ohm coax.
I've read the MFJ manual but it only refers to
dipoles. Would the process be the same for tuning
a loop antenna ?

=====
Rod Pruner - KN3ZOG
Conyers, GA USA

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Tue, 1 Feb 2000 08:49:09 -0700
From: "Zoerb, Ron" <Zoerb.Ron@tci.com>
To: "'QRP-1 Messages'" <qrp-1@lehigh.EDU>
Subject: [61795] SP, Best Start Ever!
Message-ID: <5899595F9867D311BC0A00805F57884D44027D@copland.tci.com>
MIME-Version: 1.0
Content-Type: text/plain

QRP-1 ers,

Yes, I love the Spartan Sprint! Made special plans to be home early and ready to go. It didn't matter that Russ had not posted a "warning", or that there didn't seem to be any one else calling CQ SP, I was convinced it was time for some SP fun.

Not much activity on 20 meters, couple of contacts, better check on 40 meters. Yep, more signals, several more contacts. What was that, a weak one, who? Yes it is WE6W, in CA., boy not his usual big signal! What was that Ed? Boy, QRM is bad, he is trying to tell me something, "NEXT WEEK" he said. What? No can't be, been planning on this all week! Man! can this be? Ed says, "SP is next week", well it all is making sense now, Russ hadn't posted a notice, I AM the only one calling CQ SP and WE6W says "next week".... Guess what?

The Spartan Sprint is "NEXT WEEK"! You all knew this, I should have known it but hey, I had a ball for a while, isn't that what it is all about?

I am tempted to post my score anyway, might be a chance to look good in both the Tubby and Skinny divisions.

Please mark February 7, 2000 on your calendars for the real SP and hope to see you there.

72 a little slow but having fun! Ron ki0ii

Date: Tue, 1 Feb 2000 10:53:23 -0500
From: n3go@us.ibm.com
To: QRP-L@lehigh.edu
Subject: [61796] Re:] Re: Distorted CW from bugs (Sone Posts are Diamonds)... Me again, so Quite Looooong!

Message-ID: <85256878.00574A46.00@d54mta02.raleigh.ibm.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Three Cheers for Monte;

I surely hope all aspiring (and some "seasoned") CW ops read your post carefully...

I pride myself in my sending skill, and attempt to mimic the machines... (they really can and do send perfect code...)... I also have many frustrating experiences when I fall short of achieving the level of performance I know I'm capable of... I don't expect perfection, but I do set a personal standard of reasonable high quality.

Monte made two important contributions to this thread of Distorted CW, sending with bugs... etc.

1) Adjustment of the Bug "dit" generation... Bravo... Never have I seen this put so eloquently. His "Ohmmeter" adjustment procedure is so obvious, and accurate, I'm suprised that the process hasn't been engrained in the ham radio community long before this... I never learned quite how to make this adjustment properly... Thank you Monte for this valuable nugget of wisdom..

2) "Put your sending fingers on a book, holding them just as if you had a key in your fingers.

Then slide a hand key under your wrist and send CW with your wrist. Learning to make all the dits with wrist action stops the dreaded "finger" dits which are made by "shaking" the fingers that are not holding on to the key knob."

If you're serious about developing a good fist, you've got to give this a try gang... I tried this and Wow! This really works! What a morsel of wisdom you've added here also Monte! I surely hope your post got careful scrutiny by the followers of this thread. This is a tough drill, but puts you in the "sweet spot" in short order. It immediately informs you of the reasonable limit on sending speed for a straight key. An excellent training exercise my friend... Thank you very much... I will work with this.

I wasn't taught either skill in the Navy, and suddenly I've developed a whole new level of respect for the Army. :-)

I was a pretty fair CW op before joining the Navy nearly 35 years ago, graduated first in my class in Radioman Class "A" school copying 26 WPM solid... limited primarily by my newly learned typing skill. I spent 18 months at sea with CW as our "Primary" ship to shore communications resource on a WWII vintage Ocean Going Minesweeper (USS Dash, MSO-428). I was "Flag" Radioman for our division (Mine Division 43), during which time I developed the ability to copy 25 WPM while simultaneously carrying on a real time conversation. Had I not personally experienced this phenomenon, you would not convince me that it's possible to multiplex in this way much less copy code entirely subconsciously. I retain a vivid recollection of my discovery of this skill when I was interrupted by a Signalman who exhibited a strong sense of urgency. I immediately responded to his needs and carried on a brief conversation with him without breaking stride in my copying incoming CW traffic. I didn't even realize I was doing that until he asked "Are you actually copying while we're talking?" I really didn't know how to answer, but when we both looked at the output on the typewriter, we observed that what I was copying was completely coherent, and amazingly error free. We were both awe struck as you might imagine... I spent many hours after that experience trying to develop a skill whereby I could send and converse simultaneously. I discovered that I could send fine until I uttered something... anything... a single word... then whamo! my sending would completely become incoherent... Bummer! I really wanted to develop that skill, but was never able to cross that threshold... I've never observed anybody that had this skill, but it remains one of those experiences I would really enjoy before making my exit from this lifetime. :-)

At the risk of being flamed,.... (and please guys and gals..... spare the list... flame me personally) I openly share my "opinion" (y'all know about opinions right?...) that anybody that suggests having a "swing" fist is good CW has one very over inflated ego... Their "swing", depending on how "slanted" it is, can put a serious strain on the receiving operator... Good Ops don't discriminate against these folks, and in many cases where the swing is slight and somewhat consistent, it's generally taken in stride. Only when you work somebody with a good fist (Sorry gang, but most keyboards have good fists) at reasonable speeds (25 WPM plus) does one gain a deep respect for a "good" fist. For what it's worth... many good Ops. have a "swing" that tends to be highly consistent and not that awful to

copy with some patience and practice. They're typically good Ops with bad equipment.... See comments above... These same Ops lose their "swing" and simply send downright good CW when they fall back to a hand key. Typically, "swing" as used globally here cannot be differentiated, but if my hysterical memory serves me adequately, it was generally associated with those who used "speed keys" aka "Bugs". Had Monte's "tightly held secret" adjustment method been employed, these "swingers" would simply have been labeled as very proficient CW ops.

Speed key ops were the "Special forces" equivalent of CW ops in the Navy (at least during my tenure). One had to "qualify" with perfect code on a straight key, and be nominated by his supervisor (and his command as well I believe) before they became eligible to test for speed key certification. Bugs were disallowed if you were not speed key certified. I was never nominated, so that should give you a measure of my CW sending "skill" :-). I also recall (in the case of the Navy again) that there was a documented procedure for adjusting a bug, which amounted to setting the gap spacing for the dits. It was a speed independent adjustment, and as a consequence would force a swing if an operator chose to send at higher speeds. Most ship-shore traffic ran at speeds between 20 and 25 WPM, so the swing was typically only heard on ship-ship circuits during war gaming operations. As NCS, I recall sending a particular Greek op a ZBM2 (Put a qualified and competent operator on this circuit) during a particular NATO exercise... The operator simply did a QRS to 15 WPM or so and began sending perfectly legible code. He was entirely unintelligible otherwise. It was truly a night and day transition.

A QSO with a good fist is cherished every bit as much as a rare DX contact to a DX hound. I still feel the "rhythm" of a 75 year old telegrapher that sent what I dare to say was "perfect" code for our entire QSO which involved many exchanges and spanned at least half an hour. As we were signing, I commented that although I don't use a keyboard on my end, I always enjoy how relaxing it is to copy one and asked which keyboard he was using... His response was that he was using a "bug". He had been using nothing else since leaving Western Union as a land-line telegrapher. He completed his career as a CW op in the Merchant Marine, and as you can imagine... CW was in his blood. Those of us who can swallow our pride and accept our own limitations, look up to such people, and elevate them to the level of "hero" is such could be said for them. Certainly they set a standard that the rest of us can only set as a potentially achievable goal.

My advise... Read Monte's post... He knows from where he speaks... 90 percent of my hamming is on CW... It's been that since I became a Novice in 1963. I don't become uncomfortable until approaching speeds in excess of 30 WPM, so I wouldn't tag myself as a "slouch" CW op... However; I just learned two really neat tools to have the potential of enhancing my sending proficiency.... I hope the rest of you caught them... Life is a continuum of learning... Imagine something as primitive as CW... and with 36+ years of practice, I still haven't mastered it. How sweet it is...

Tnx for the sharing the bandwidth.... or I'm deeply sorry for consuming yours... :-(

72

Gary, N3GO

Regards;

Gary O'Neil
IBM Microelectronics
SiGe RF Applications Engineering
RTP, NC
Office: (919) 543-5750 FAX : (919)-543-7382

Date: Tue, 1 Feb 2000 11:00:38 -0500 (EST)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61797] Re: Distorted CW from bugs
Message-ID: <Pine.LNX.4.04.10002011059030.13792-1000000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 1 Feb 2000, Gary Lee Phillips wrote:

> opposite?) and there is one of those useless shorting levers
> that locks the key closed (a holdover from landline telegraphy?)

I think this was used as a "tune" position, instead of laying a handbook on the key :)

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Tue, 01 Feb 2000 11:00:05 -0800
From: charles kadesch <chas@digizen.net>
To: qrp-l@lehigh.edu
Subject: [61798] re: Distorted CW from Bugs
Message-ID: <38972D35.9DDA279E@digizen.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

An old-timers trick: Filing a notch in the top and bottom of the
mainspring (reed) on the Vibroplex Original to slow down the dot rate.

-72-

Chas W3KC

Date: Tue, 1 Feb 2000 11:46:06 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: "James R. Duffey" <jamesd1@flash.net>, QRP-L List <qrp-l@lehigh.edu>
Subject: [61799] Re: Multiband Verticals and the 4BTV
Message-ID: <Pine.GS0.4.10.10002011126570.10596-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Duffey,

Interesting that you should suggest 22' as a good tuner-fed vertical--with
a few radials per band. Now suppose you have about 50-60' of vertical
space to hang a wire or some tubing from that ancient oak tree limb. Make
it 44' and feed at the center with parallel line. Pinning it top and
bottom--and near the middle to keep it all in place--is good. Feedline as
far as possible and as close as possible to 90-degrees, but tilting does
not hurt much. Use a good tuner for parallel line and use the radials to
tie up old newspapers: this is a center-fed antenna. The higher, the
better, but I am already stretching that oak/elm/ash and other strong
3-letter trees.

Yours is half of mine--both will give low angles on 40-10 meters. You can
also base feed the 44' vertical with a parallel tuned circuit and 50-0hm

tap/link (or equivalent circuit for high Z feed), but a good ground return to the shack becomes necessary.

I have used a 14AVQ (about 10 years of service before sold) and a GAP VI (10 years of service--still going strong). I like them both for what they are--multi-band verticals with some weaknesses and some strengths. Both quiet (I roof-mounted the 14AVQ with sloping radials on the roof). On an open plane, a multi-band vertical does well ground mounted, but in the woods, suburbia, and urbia, elevation helps avoid RF-eating "stuff" near the ground, as well as avoid some ground-hugging noise sources.

However, lowest band bandwidth will always be a limiting factor. If the antenna is short, there are only two relatively easy ways to broaden the bandwidth. One is to introduce losses. The other is to use an antenna tuner. If we are going to use a tuner to broaden bandwidth, then why not a tuner-based system, parallel feedlines, etc. The idea is to design to the optimum (accounting for the physical limitations of our individual locales) rather than trying to make something work that was really designed for somewhere else.

Just some random thoughts on vertical installations--mostly a product of standing in the cold weather too long trying to take some photos of (what else) antennas.

-73-

LB, W4RNL

Date: Tue, 1 Feb 2000 12:20:51 -0500
From: "Pastor-kc1di" <ELBC@PIVOT.NET>
To: <ccart@phideaux.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61800] Re: Distorted CW from bugs
Message-ID: <005c01bf6cd8\$b1315800\$2f1299d0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Shorting Lever on most hand Keys and Bugs is a left over from the days of Land line Telegraph.. were the circuit must be close when the op was not sending in order to receive ..

----- Original Message -----

From: "Chris Cartwright Sr" <ccart@phideaux.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, February 01, 2000 11:00 AM
Subject: Re: Distorted CW from bugs

> On Tue, 1 Feb 2000, Gary Lee Phillips wrote:
>
> > opposite?) and there is one of those useless shorting levers
> > that locks the key closed (a holdover from landline telegraphy?)
>
> I think this was used as a "tune" position, instead of laying a handbook
> on the key :)
>
> -- Chris Cartwright, Technical Engineer |
ccart@phideaux.com --
> -- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD
9je --
> -- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI
#9271 --
>
>

Date: Tue, 1 Feb 2000 12:30:01 -0500
From: "Pastor-kc1di" <ELBC@PIVOT.NET>
To: <k6qq@hdo.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61801] Re: Good CW/Bad CW
Message-ID: <008201bf6cd9\$f8de8960\$2f1299d0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I must say that this has been an interesting thread.. But as an Army op for over 10 years.. you learned to copy all sorts of fists.. not just the good ones.. we live in an age of whiners .. where everything has to be perfect.. Humans aren't perfect and neither will the code they send always be.. but remember the key is to communicate and have fun..

----- Original Message -----
From: "John Moriarity" <k6qq@hdo.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, February 01, 2000 12:39 AM
Subject: Re: Good CW/Bad CW

>
> ----- Original Message -----
> From: Deitz, Harold L. <hdeitz@ms.rose.cc.ok.us>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Sent: Monday, January 31, 2000 1:20 PM
> Subject: Good CW/Bad CW
>
>
> > I just can't sit by and not say anything anymore!
>
> Neither can I!
>
> > It seems that there are alot of old timers out there that think that
> good CW
> > has a personal "swing" to it. You know, not proper spacing, but
> something
> > they have been doing for 100 years.
>
> Wrong! I've only been doing it for 50 years.
>
> > I was really hoping that the FCC would
> > start testing on ones abillity to SEND CW instead of copy it.
>
> I took my 20 wpm SENDING test with a bug, in front of an FCC examiner,
> and passed. Did you?
>
> > ... If you try to copy improperly spaced CW, it just isn't worth
> > the time to mess with.
>
> Well, I don't think my sending is bad, just not perfect. If I'm not
> worth
> the time to mess with. that's O.K., you probably aren't very interesting
> to
> talk to, either.
>
> > I strive to send code on a straight key that is spaced so well that
> you
> > can't tell it from computer generated code.
>
> Heck, then, I might just as well have a QSO with a computer! Keyers are
> nice, but I really miss the days when I could recognize my friends by
> their fists.
>
> Sorry, Harold, I think you just need to lighten up a bit. Relax and
> enjoy.
> If my sending isn't good enough for you to copy, ask me to QRS. Pride
> in
> being able to copy "bad" code feels just as good as pride in sending

> "good" code.
>
> I guess I need to get my bug out and start using it again ;-)
>
> 73,
>
> John, K6QQ
>
>

Date: Tue, 01 Feb 2000 9:43:14 PST
From: Roger Traylor <traylor@ECE.ORST.EDU>
To: qrp-l@lehigh.edu
Subject: [61802] Wainwright solder mounts
Message-ID: <200002011743.JAA11677@tongu.ECE.ORST.EDU>

Gang,

These surface mount IC adapters look really nice. However the \$100.00 minimum charge is too steep for me. Perhaps an interested party could arrange a group buy.

Any takers? Anybody interested?

See the adapters at: <http://www.rdi-wainwright.com/>

Roger Traylor
WB4TPW

Date: Tue, 1 Feb 2000 09:54:15 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [61803] Re: 4BTW
Message-ID: <01bf6cdd\$5ac40030\$87d5fc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Nils

A lot of stations I work on 40m tell me they are using the Butternut vertical.

Don't know much about it, but it sounds like a lot of folks voted with their \$.

You might check it out and see if it meets your needs.

73, Bob N6WG

Date: Tue, 1 Feb 2000 09:54:04 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61804] Re: Good CW/Bad CW
Message-ID: <Pine.GS0.4.10.10002010941050.3277-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Another thought just popped into my head....(Oh NO.....I can hear the cry already!).....

Anyway, CW should be something FUN. Something that you may well have had to learn just to get a silly piece of paper. But as your skills get better and better the work seems less and the fun takes over.

However, many of us might sound like we are always "pushing" you to "work harder and get better" at all costs!

This is a good time to make sure that you are keeping the FUN part of it alive!

Take time to sit back and enjoy CW. For most that will be getting on the air and chatting with someone. Let it happen at a speed you are comfortable with. Don't push the speed but instead just have FUN. Who cares if it's 5, 10 or 15 wpm? Just have FUN. Really learn to chat. Get past the canned RST, RIG HR IS.... topics and get to the fun stuff.

But also have QSO's where you do push yourself. Just tell the other op that you need to get pushed a bit and in most cases they will be glad to work with you.

If you like hearing a computer send CW, do my FAST to SLOWER trick before you push yourself. It will get your mind into a higher gear.

But just don't forget to take the time to slow down and

smell the roses now and then.

How often?? Different for each one of us but I'd think at least once a week. And more if you can get on every night.

Someone mentioned spelling and sending. That used to bother me and I still have times when does even now. But once I get into that mode where my fingers are talking they seem to take care of such silly things as converting the thoughts to words and letters.

I have no idea how/why this happens....it just does. It's about the same as when I used to read a book while copying CW. Or talking while copying.

Or sending with my right hand and logging/duping with my left hand! Can't do it now but lots of people did it like that!

When you quit copying code and start talking with CW you have hit the next level of enjoyment!

OK, back in my hole.....but have FUN!

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Tue, 1 Feb 2000 09:59:51 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [61805] Re: Multiband Verticals and the 4BTV
Message-ID: <01bf6cde\$22bd8b10\$87d5fc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just a shirt tail addition to LB's note.

I built the vertical as he describes, but made it just 40 ft long.. Got the idea from his web page.

It is a vertical EDZ for 10m at that length. It loads nicely all the way down to 40m, but on 40m, my horizontal dipole at 35 ft in center works much

73, Bob N6WG

Test Staff Engineer
SpectraPoint Wireless LLC

Real men talk with their fingers!

NORTEX NORCAL QRP-L #377
SMIRK #4906 QRP-ARCI # ARS #72
Austin QRP Club #i Alaska QRP Club #350

Date: Tue, 1 Feb 2000 11:30:21 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@Lehigh.edu>
Subject: [61807] Cover TT2
Message-ID: <002701bf6ce2\$66ebc780\$8ddf070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I found the perfect cover for the TT2 it is a star kist tuna salad set up with a small can of tuna and some other stuff but it comes in a plastic top and bottom and one of them fit the top of the TT2 just perfect. Just punch a hole in it for the key plug and away you go 72 Cal KF7ET/Idaho

Date: Tue, 1 Feb 2000 10:48:05 -0800
From: "K7FD" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61808] Re: Good CW/Bad CW
Message-ID: <001701bf6ce4\$e0525a60\$a78c80a7@lincoln.k12.or.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

KU7Y offered:

> Take time to sit back and enjoy CW. For most that will be
> getting on the air and chatting with someone. Let it happen
> at a speed you are comfortable with. Don't push the speed
> but instead just have FUN. Who cares if it's 5, 10 or 15 wpm?
> Just have FUN. Really learn to chat. Get past the canned
> RST, RIG HR IS.... topics and get to the fun stuff.

This may be fine for you extroverts out there but I've always enjoyed just exchanging a minimal of info and logging the contact. I don't need to know

much more...and I'm happy. So CW can be fun...without chatting...if that's where it's at for you. It is for me, and has been for 33 years.

73 John K7FD, Fists 2420, QRP ARCI 8193

Date: Tue, 1 Feb 2000 12:41:53 -0600 (CST)
From: ac5ez@webtv.net (K1zw)
To: qrp-l@Lehigh.EDU
Subject: [61809] cw speed
Message-ID: <25486-389728F1-4947@storefull-116.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

I used to know a formula for calculating code speed. It was so many dahs in 15 seconds times something. Anybody remember that formula ??
k1zw

Date: Tue, 01 Feb 2000 10:42:48 -0800
From: Allan G Taylor <agtaylor@llnl.gov>
To: qrp-l@lehigh.edu
Subject: [61810] XCVR: NC20 mods question...Why tantalum cap?
Message-ID: <38972928.59A4@llnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A recently published mod for the NC20 uses a 47 ohm resistor in series and a 22 uF tantalum then in parallel to provide a hiss filter for the headphones output. As the NorCal capacitor kit doesn't have any tantalum caps in it (so far as I am aware) this begs the question: does using a tantalum in this filter give that much better filtering over a conventional electrolytic.

"I prefer private non-posted replies."

K7GT

--
Allan Taylor agtaylor@llnl.gov

Date: Tue, 01 Feb 2000 10:45:19 -0800
From: Allan G Taylor <agtaylor@llnl.gov>
To: qrp-1@lehigh.edu
Subject: [61811] XCVR: make that 39 ohms and a 22 uF tantalum
Message-ID: <389729BF.578A@llnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My previous post mixed values from two hiss filters. The one in question should be that from a QRPp article with a 39 ohm and 22uF tantalum. Still why tantalum?

K7GT

--

Allan Taylor agtaylor@llnl.gov

Date: Tue, 1 Feb 2000 14:05:27 EST
From: RangerSF5@aol.com
To: qrp-1@lehigh.edu
Subject: [61812] Re:NC-20 CAP INFO
Message-ID: <bb.d13c45.25c88877@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Why a non posted reply.

There are a number of NC-20 owners on this list,(me being one of them) and i'd like to get all the mods/info I can.

Bob

WA2HOQrp <tm>

Date: Tue, 1 Feb 2000 13:05:51 -0600
From: "Jay Bromley" <w5jay@alltel.net>
To: <agtaylor@llnl.gov>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61813] Re: XCVR: NC20 mods question...Why tantalum cap?
Message-ID: <003b01bf6ce7\$5c76d4c0\$619b66a6@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Alan,

I used an electrolytic till I got a tantalum cap. No difference in performance here. I just like the looks of the tantalum better and I think they usually hold their tolerance better than the electrolytics. For me as a headphone op the hiss filter mod is a must have on the NC-20!!

73 de w5jay..

----- Original Message -----

From: Allan G Taylor <agtaylor@llnl.gov>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Tuesday, February 01, 2000 12:42 PM

Subject: XCVR: NC20 mods question...Why tantalum cap?

> A recently published mod for the NC20 uses a 47 ohm resistor in series
> and a 22 uF tantalum then in parallel to provide a hiss filter for the
> headphones output. As the NorCal capacitor kit doesn't have any
> tantalum caps in it (so far as I am aware) this begs the question:
> does using a tantalum in this filter give that much better filtering
> over a conventional electrolytic.

>

> "I prefer private non-posted replies."

>

> K7GT

>

> --

> Allan Taylor agtaylor@llnl.gov

>

Date: Tue, 1 Feb 2000 13:20:59 -0600

From: George F Franklin <w0av@juno.com>

To: QRP-L@LEHIGH.EDU

Subject: [61814] Free Internet Access

Message-ID: <20000201.132100.-270607.0.w0av@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Hello Fellow QRPers,

For all of you QRPers with QRP budgets, you can now have complete internet access, including e-mail and all the trimmings FOR FREE!

FREE means FREE, with no catches, nothing to buy, no credit card, just FREE.

K-Mart offers a free disk, call 1-888-945-9255 for a CD. If you can access the Web, get a free download at WWW.BLUELIGHT.COM.

I hope this freebie doesn't offend anyone, since it is OT, but I know there are many out there who can't or don't want to spend \$20/month for internet access.

OK, I'll take my lashes now. Maybe some of you frugal QRPers will stand up for me?

72 de George/W0AV

No, I don't work for K-Mart or Yahoo, just wanted to pass along some good news.

Date: Tue, 01 Feb 2000 14:25:28 -0500
From: Paul Christensen <paulc@mediaone.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61815] For Sale: Elecraft K2
Message-ID: <38973328.805895E@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Unbuilt, unopened Elecraft K2 transceiver for sale with 160-meter and noise blanker options. This combination sells for \$613 through Elecraft. I'll accept \$ 500 (Postal MO) + shipping.

-Paul

Date: Tue, 01 Feb 2000 14:05:05 -0500
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61816] Re: Good CW/Bad CW
Message-ID: <38972E61.AC858787@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My biggest problem is my spelling. For some reason I really get bad when I try to go beyond the RST/QTH/NAME/RIG/ANT QSO. I do improve when I get caught up in a interesting rag chew. Unfortunately they are

becoming more rare. Just can not seem to focus on both the spelling and the good sending at the same time. If I can write down what I want to send while the other station is turning it back to me, I send it OK. But trying to think what to send, how to spell it and how to send it correctly is something I have not mastered yet.

Ed Kwik AB8DF

Date: Tue, 01 Feb 2000 14:33:37 -0500
From: Paul Christensen <paulc@mediaone.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61817] Re: For Sale: Elecraft K2
Message-ID: <38973511.E4CB2F8C@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks for all the replies in only a few short minutes. The K2 is now sold.

-Paul

Paul Christensen wrote:

>
> Unbuilt, unopened Elecraft K2 transceiver for sale with 160-meter and
> noise blanker options. This combination sells for \$613 through
> Elecraft. I'll accept \$ 500 (Postal M0) + shipping.
>
> -Paul

Date: Tue, 1 Feb 2000 14:36:55 -0500
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [61818] Responses to my 4BTV & vertical antenna queskins
Message-ID: <20000201.143700.-107217.1.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Kamaraden,

Ok, I've gotten a handful of responses to my 4BTV question with a lot of experiences tossed in that end up with this kind of spread:

-- A vertical antenna is cool, but if you're gonna spend the money, take that converted CB vertical base mounted doodad & put an LDG tuner at the bottom of it. Then you'll have an antenna that covers everything with wide bandwidth.

-- Why mess with the aluminum. Hang a vertical dipole up & feed it with open wire line and a tuner. (This sounded a lot like what I did last year at the beach . . . but that's another story . . .)

-- The 4BTV is as cool as any other. Just do it!

-- Get a GAP antenna. Check the wind loading of your area & plan accordingly.

-- Get an R7000. Get two. Phase 'em.

-- Get a (fill in the brand and model name your favorite vertical of experiential necessity here).

-- Don't waste your time & money. Put up a MAN's ANTENNA! Full size dipoles at 150 ft! Yeah! Who's yer daddy!

What's interesting here is that the one suggestion (the LDG tuner thingie) costs about what it would cost for me to put up a 4BTV. About \$120, not counting \$41 for the 30m add-on. And shipping.

The suggestion about a vertical dipole is also interesting, although it would only be about 10 ft on a leg the way I'd have to hang it, with consideration given to the lay out of the yard & other naturally occurring mounting stuff. At the beach last summer I had about 10m of wire in the air on the German fiberglass pole with a chunk of wire hanging down under the deck (about 6 or 8 ft of it) that got stuck into the wet sand & two "radials" that I laid out on the wet beach sand sea-ward of the beach house. I ran a couple wires out to the pole & to the ground stuff, but it wasn't exactly "parallel" open wire feed.

So it appears my choices are about as infinite as my question was broad. But in order to let my heels cool & the money burnin' a hole in my pocket (as if!) to go out, I'll consider all this while Cindy & I fly down to Orlando to visit Mickey Mouse & nominally celebrate 26 years of her puttin' up with my garbage in the house.

Thanks to all who responded for your suggestions & comments. Good vision always preceeds my irrational wonderings. I've got the converted CB doodad. I have the mast. I have the screw driver & some wire. Hmmm . . .

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
Sonrientes
<http://home.fiberia.com/wb8ijn> -- W8IJN --

<http://members.xoom.com/nilsbull>

"In my day you had to FIGHT to have oligarchs! Every day was a STRUGGLE!

-- Comrade Sergei Nikolaevich McTovarishov --

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 31 Jan 2000 14:32:30 -0700

From: Roger Hightower <n7kt@earthlink.net>

To: Jerry Scherkenbach <jerrys@execpc.com>, QRP-L <qrp-l@lehigh.edu>

Subject: [61819] Re: FYBO & Phone

Message-ID: <3895FF6E.DBE42E77@earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Jerry Scherkenbach wrote:

"So does this mean we can work a station on each mode on each band or do we have to choose only one category....cw or ssb ? Confused."

That's OK...I'm confused too. Since this is all courtesy of ARRL and their screwup, I'll make a new rule.

CHOOSE YOUR MODE BEFORE YOU START AND STAY WITH IT.

Sri for the shout, but wanted to make sure that part was loud and clear. Whatever mode is chosen, CW or SSB, that's it. That makes the rest of the rules easy.

QSO's count once per band. Only one mode can be used. Since I have to score this thing, I want it to be fairly easy.

--

72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591

Date: Tue, 1 Feb 2000 12:54:06 -0700

From: Bruce Toback <btoback@optc.com>

To: <agtaylor@llnl.gov>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [61820] Re: XCVR: NC20 mods question...Why tantalum cap?

Message-ID: <200002012118.0AA32471@landru.optc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Allan Taylor writes:

>A recently published mod for the NC20 uses a 47 ohm resistor in series
>and a 22 uF tantalum then in parallel to provide a hiss filter for the
>headphones output...
>does using a tantalum in this filter give that much better filtering
>over a conventional electrolytic.

Compared to electrolytics, tantalum capacitors are much smaller (value
for value), significantly more expensive, have somewhat tighter
tolerances and somewhat lower inductance. Electrically, they're almost
completely interchangeable; certainly that's the case at audio
frequencies. The mod probably specified the tantalum capacitor to save
space.

-- Bruce

Bruce Toback Tel: (602) 996-8601 | My candle burns at both ends;
OPT, Inc. (800) 858-4507 | It will not last the night;
11801 N. Tatum Blvd. Ste. 142 | But ah, my foes, and oh, my friends -
Phoenix AZ 85028 | It gives a lovely light.
btoback@optc.com | -- Edna St. Vincent Millay

Date: Tue, 1 Feb 2000 14:55:15 -0500 (EST)
From: Joel Malman <malman@world.std.com>
To: qrp-1@Lehigh.EDU
Cc: k1qm@world.std.com
Subject: [61821] Free ARRL Extra Class Manual
Message-ID: <200002011955.0AA04727@world.std.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

::::FREE::::

Yes. If you want/need the ARRL Extra Class License Manual. You can have my copy. This is the one with Extra (spelled wrong) on the binding ("EXRTA") and is (c) 1996 by the ARRL.

You will have to put up with my YELLOW markings all over the place...

**** AND AND AND ****

You will have to PICK UP in MASS. I will NOT ship. Don't even ask re shipping. It's PICK-UP only. MA (or NE) folks only. PSE.

--

/joel K1QM (K1 Queen Mary) Concord, Massachusetts
QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

Date: Tue, 1 Feb 2000 15:04:38 EST
From: GUARDM@aol.com
To: qrp-l@lehigh.edu
Subject: [61822] Free Extra Class License Manual
Message-ID: <a4.204bbe.25c89656@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

It has served me well. First to ask...gets it. (I'll even ship it for free)

73,
Mev KG9NF
Madison Wisconsin
QRP-L #2066 10X #7014 ARS #641
<http://www.qsl.net/kg9nf>
"They looked at me like I had lobsters coming out of my ears!" -A Christmas Story-

Date: Tue, 01 Feb 2000 11:06:52 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: agtaylor@llnl.gov, "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [61823] Re: XCVR: NC20 mods question...Why tantalum cap?
Message-ID: <38973CDC.989B2594@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Allan G Taylor wrote:

>
> "I prefer private non-posted replies."

Yah, but....Yah, but....how can I learn if you get all the information privately?? :-)

Do you plan to post a summary when you have all the answers? Really?
You promise?

Thanks, Allan

73, Jim

--

Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>
Anchorage, Alaska <mailto:al7fs@qsl.net>
ICQ 11022915 (ICQ info at <http://www.icq.com/>)

Date: Tue, 1 Feb 2000 13:59:52 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [61824] Converse while Sending/Receiving CW
Message-ID: <20000201.151103.-207089.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

excuse me please? I'll be brief

Back in Louisiana my neighbor, w5zr, used to sit and chat with me while he worked dx on twenty meters cw.... he was still doing this when I left in '93.... so it is being done and has been done for a long time. He is the best cw op I have had the priveledge to meet.. really nice guy...
Joel KE1LA
In Maine

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 1 Feb 2000 15:11:16 EST
From: Normk9nk@aol.com
To: qrp-1@lehigh.edu
Subject: [61825] GAP Eagle vs R7000 vs Butternut Vertical
Message-ID: <e3.c0e0e5.25c897e4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi everyone - I am considering looking at the Gap Eagle,
R-7000 or Butternut verticals for 40-10 meters. I am planning on mounting it on a
small tripod on the roof on my house up about 30 feet.

It can get pretty windy here in Denver and wanted to know outside of performance,
which of these will hold it's own in windy conditions --- or do they all need to
be guyed??

Thanks for the input, I am also in the market to buy also if someone has one for
sale in very good condition!

Please comment on the reflector or contact me off line at:

normk9nk@aol.com

72's !!!! -- Norm -- K9NK

Date: Tue, 1 Feb 2000 15:12:10 -0500
From: "Donald P Palmer" <dppalmer@home.com>
To: <qrp-1@Lehigh.EDU>
Subject: [61826] Magnum Delta Force
Message-ID: <000001bf6cf0\$9f1ea600\$c8c20618@srst1.fl.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone have any experience with this 10m transceiver? It's being
sold by RF Parts Co, among others.

Don Palmer, N0CZZ
Sarasota FL

Date: Tue, 1 Feb 2000 13:30:34 -0700 (MST)
From: "James P. Rybak" <jrybak@mesastate.edu>
To: qrp-l@lehigh.edu
Subject: [61827] Good 10-meter Antenna for Portable QRP Use???
Message-ID: <Pine.LNX.4.10.10002011327360.15095-100000@mesastate.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I plan to do some low power 10 meter operation while on vacation this summer. What's a good, portable antenna which will not weigh a ton and which will fold up or collapse easily?

Thanks.

Jim Rybak W0KSD

Date: Tue, 1 Feb 2000 12:40:26 -0800 (PST)
From: nader omer <naderomer@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [61828] INTERNET THROUGHT HF RADIO
Message-ID: <20000201204026.7253.qmail@web3306.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

DEAR HAM
WILL YOU PLEASE TELL ME HOW TO CONNECT TO THE INTERNET
((APART FROM EMAIL THROUGHT HF))USING MY HF RADIO.
AND IS THERE ANY INTERNET PROVIDER SERVES THROUGH
HF RADIO...??
73'S
7z1zz

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Tue, 1 Feb 2000 15:46:16 -0500 (EST)
From: Joel Malman <malman@world.std.com>
To: qrp-l@Lehigh.EDU
Cc: k1qm@world.std.com

Subject: [61829] ARRL Extra Class Manual
Message-ID: <200002012046.PAA20480@world.std.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks ...

Re: Extra Class Manual ... Please stop asking ... It's gone (sold - free).
QRP-L listing time: about 15 minutes.

--

/joel K1QM (K1 Queen Mary) Concord, Massachusetts
QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

Date: Tue, 01 Feb 2000 14:25:52 -0600
From: markmilburn <markmilburn@netzero.net>
To: w0av@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61830] Re: Free Internet Access
Message-ID: <38974150.F246EF68@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You bet...what would all us QRPers do without internet to find out the
fox scores?

There are a number of free internet packages .. my favorite is NetZero,
but there is also AltaVista and Freei and JUNO is now offering a free
internet package. You just have to make sure they have free telephone
lines in your area so you aren't spending long distance money to
connect.

72 Mark

George F Franklin wrote:

>
> Hello Fellow QRPers,
>
> For all of you QRPers with QRP budgets, you can now have complete
> internet access, including e-mail and all the trimmings FOR FREE!

>
> FREE means FREE, with no catches, nothing to buy, no credit card, just
> FREE.
>
> K-Mart offers a free disk, call 1-888-945-9255 for a CD. If you can
> access the Web, get a free download at WWW.BLUELIGHT.COM.
>
> I hope this freebie doesn't offend anyone, since it is OT, but I know
> there are many out there who can't or don't want to spend \$20/month for
> internet access.
>
> OK, I'll take my lashes now. Maybe some of you frugal QRPers will stand
> up for me?
>
> 72 de George/W0AV
> No, I don't work for K-Mart or Yahoo, just wanted to pass along some
> good news.

NetZero - Defenders of the Free World
Get your FREE Internet Access and Email at
<http://www.netzero.net/download/index.html>

Date: Tue, 01 Feb 2000 14:49:45 -0600
From: markmilburn <markmilburn@netzero.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [61831] ARCI Board election
Message-ID: <389746E9.E699489@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A quick reminder that the election for the Board of Directors of QRP
ARCI is still in full swing. Votes are being accepted until February
29, and then it's all over but the counting. Results will be published
in the April Quarterly.

You can vote on-line at <http://www.qrparci.org> or you can clip/copy the
ballot in the January Quarterly and mail it to me.

Only currently paid up members can vote in club elections.

Make your voice heard.

72 Mark

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Date: Tue, 1 Feb 2000 15:01:06 -0600
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61832] Re: Good 10-meter Antenna for Portable QRP Use???
Message-ID: <008c01bf6cf7\$75509340\$0200000a@aplitech>

Pretty hard to beat a 10 meter wire dipole. Easy to get up over a half wave, it's light and you can wind it up around the rig. Check out the ARRL Handbook or Antenna books for details, there you will also find a 300 twin-lead dipole that uses a cap. across the feedline and presents a 50 ohm match to the transceiver. Cheap and no tuner.

Hope this helps.

73 de Cla KA0GKC

Date: Tue, 1 Feb 2000 13:06:23 -0800 (PST)
From: Bob Lech <rangersf5@yahoo.com>
To: markmilburn@netzero.net
Cc: qrp-l@lehigh.edu
Subject: [61833] Re: Free Internet Access
Message-ID: <20000201210623.2639.qmail@web3302.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- markmilburn <markmilburn@netzero.net> wrote:
> You bet...what would all us QRPers do without
> internet to find out the
> fox scores?
> There are a number of free internet packages .. my
> favorite is NetZero,
> but there is also AltaVista and Freei and JUNO is
> now offering a free
> internet package. You just have to make sure they

> have free telephone
> lines in your area so you aren't spending long
> distance money to
> connect.

You also have Bluelight.com put out by K-Mart and it works with Yahoo.

The banner is small and can be dragged anywhere you want to put it to keep it out of you'r way.

They have 6 local numbers here.

<http://www.bluelight.com>.

Some K-Mart stores have the CD disk.

Bob

WA2HOQrp <tm>

>

>

>

> NetZero - Defenders of the Free World

> Get your FREE Internet Access and Email at

> <http://www.netzero.net/download/index.html>

>

=====

Member QRP-L #1437, NJ QRP #126,ARS #350,FISTS #4916,ARCI #4600, Zombie #243,
<http://www.angelfire.com/nj/IamSF5/index.html>

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<http://im.yahoo.com>

Date: Tue, 1 Feb 2000 16:19:31 -0500 (EST)

From: Scott E Olitsky <solitsky@acsu.buffalo.edu>

To: Cla KA0GKC <ka0gkc@arrl.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [61834] Re: Good 10-meter Antenna for Portable QRP Use???

Message-ID: <Pine.GS0.4.05.10002011618100.11564-1000000@xena.acsu.buffalo.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I just found a small vertical that was designed for a CB that can be put directly into the back of my 10m HT at radioshack. It is about 12-14 inches long. Have not tried trasmit yet, but it receives pretty well

Scott

AC3A

On Tue, 1 Feb 2000, Cla KA0GKC wrote:

> Pretty hard to beat a 10 meter wire dipole. Easy to get up over a half wave,
> it's light and you can wind it up around the rig. Check out the ARRL Handbook
> or Antenna books for details, there you will also find a 300 twin-lead dipole
> that uses a cap. across the feedline and presents a 50 ohm match to the
> transceiver. Cheap and no tuner.
>
> Hope this helps.
>
> 73 de Cla KA0GKC
>
>
>

Date: Tue, 1 Feb 2000 13:44:01 -0800 (PST)
From: Curt Milton <wb8yyy@yahoo.com>
To: Normk9nk@aol.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61835] Re: GAP Eagle vs R7000 vs Butternut Vertical
Message-ID: <20000201214401.27614.qmail@web2005.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I use an R5 which I have found to be a very sturdy and useful antenna. My advice is that this antenna will be as sturdy as how you mount it. At our previous house it was mounted with brackets on the side of the house near the peak of the roof. It survived 70 mph winds from tropical storms I have used no guys. Currently I have it mounted near the top of a 1 1/2 story shed - not as high but it has a good view of the sky which is what counts - remembering you want a vertical for low angle radiation - say at 5-10 degrees and higher.

The fact that the R5 is a small antenna has its advantages under windy conditions. The taller R7000 will be a little more of a burden in the wind.

I had bought the R5 over the R7 because of the wind concern, and figuring the R5 would be easier for one person to install (but I don't recommend this!). But the extra cost of the R7, plus the fact its bandwidth on 20 meters is reduced was enough for me to decide in favor of the R5. The bandwidth you get on 40 meters

isn't that much (but maybe ok if you just operate CW).

By the way, my R5 also resonates on 6m, and I have made lots of QSO's with it on 30 meters using an antenna tuner. I would give the R6000 a good look.

The butternut has a lot more assembly complexity, and I am not as familiar with the GAP but suspect it has more parts than either the R6000 or R7000. Also the butternut is designed to require radials, where as the R6000/7000 are designed to act as an end-fed half wave radiator.

I have been happy with the R5, but not so happy I did not build a quad for 10 meters.

Curt WB8YYY

--- Normk9nk@aol.com wrote:

> Hi everyone - I am considering looking at the Gap
> Eagle,
> R-7000 or Butternut verticals for 40-10 meters. I am
> planning on mounting it on a small tripod on the
> roof on my house up about 30 feet.
>
> It can get pretty windy here in Denver and wanted to
> know outside of performance, which of these will
> hold it's own in windy conditions --- or do they all
> need to be guyed??
>
> Thanks for the input, I am also in the market to buy
> also if someone has one for sale in very good
> condition!
>
> Please comment on the reflector or contact me off
> line at:
>
> normk9nk@aol.com
>
> 72's !!! -- Norm -- K9NK
>

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<http://im.yahoo.com>

Date: Tue, 1 Feb 2000 13:49:23 -0800 (PST)
From: Curt Milton <wb8yyy@yahoo.com>
To: jrybak@mesastate.edu, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61836] Re: Good 10-meter Antenna for Portable QRP Use???
Message-ID: <20000201214923.25250.qmail@web2001.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Another idea is a full wave loop. If you make it a rectangle it will be closer to 50 ohms than a square - and of a more convenient size to hang from a tree or maybe a balcony. I used one of these - coax fed for a while on six meters. The recipe was given in QST just a few years back - but I vaguely remember the ratio of height to width is about 2.5 to 3:1. I fed this with coax at the bottom - and used lightweight PVC for the top and bottom supports - with the side wires just dangling. This takes less horizontal space than a dipole.

Curt WB8YYY

--- "James P. Rybak" <jrybak@mesastate.edu> wrote:
>
> I plan to do some low power 10 meter operation while
> on vacation this
> summer. What's a good, portable antenna which will
> not weigh a ton and
> which will fold up or collapse easily?
>
> Thanks.
>
> Jim Rybak W0KSD
>
>
>

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Date: Tue, 01 Feb 2000 16:56:32 -0500
From: Ed Kessler <edkess@epix.net>
To: qrp-1@Lehigh.EDU

Subject: [61837] Update on shack cleaning
Message-ID: <38975690.E82BEF85@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

These two have been definitely sold:
Radio Shack Digital Swr/Pwr Meter
Auttek QF-1A SSB/CW/AM Filter

I am waiting on confirmation of sale for the NW-30/40:
NN1G NW-30/40 in a Ten Tec Aluminum Case.
30m setup, 1.5 watts out. This radio works FB and
has had all the improvement mods. Includes manual. \$55.00

Items still for sale (all in very nice condition, reasonable offers
considered):

Akigawa PM-3HV, 3.5-150 MHz, Swr/Pwr Meter
20/200/2000 watt ranges, 12V backlight capable
No manual, 9 out of 10 condx. \$80.00

Heathkit HM-102 Swr/Pwr Meter, 200/2000 watt ranges
No manual but will include calibration instructions.
Calibrated and works well, about 9 out of 10 condx. \$40.00

Radio Shack DX-390 Shortwave Receiver
Like new, in original box and packaging.
This was a demo model so a few very minor
cosmetic blemishes. BFO for CW receive.
Same as Sangean ATS-818 \$155.00

Reasonable offers will be considered.

Thanks,
Ed, AA3SJ

Date: Tue, 1 Feb 2000 16:03:03 -0600
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [61838] 10 meter QRP antenna
Message-ID: <0974781F4FC8D211A24600902727E806011B1DDE@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"

Guy and Gals,

I just saw the plans for a good 10 meter loop last night, but can't find it right now. I do remember that the dimensions were 73 inches across the top and bottom and 146 inches on the sides. It has some gain in this configuration. You could make this out of PVC and run the wire on the inside. It was fed with 50 coax in the middle of the bottom 73 inch section.

Hal - WB9VMY

Date: Tue, 1 Feb 2000 17:01:26 -0500
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: <nilsbull@juno.com>
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [61839] RE: Responses to my 4BTV & vertical antenna queskins
Message-ID: <000001bf6cfff\$e36e9a40\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Nils:

One thing you should know is that, to my knowledge, it is impossible to phase a pair of verticals on other than one frequency in one band, using a coaxial cable delay line. In fact, it is VERY difficult to properly phase a pair of verticals at all, and it cannot be done properly with a fractional wave section of coax, as some would have you believe.

In order to get the phasing correct, and yet make the voltages equal at the feedpoints of each quarter wave vertical in a pair, you need a rather elaborate phasing network. You'll also have to measure the feedpoint impedances of each antenna separately, and then when they're together (to know the mutual inductance value). Then you must make calculations in order to arrive at the values for your phase shift/matching network. Check Roy Lewellen's notes on getting close.

I have phased a pair of 4BTVs, but only on 80 meters at 3790 kHz. I now use full 1-4-wave wire verticals instead. I phase them with an L-C network and relays. The difference between a full quarter wave of wire and a top-loaded vertical is almost a wash. I observed very little difference, which proves that short top-loaded antennas can be good performers.

Also, with respect to finding an LC network that will work, ON4UN advised me that it would be better to use a Wilkinson-type resistive-terminated divider. I haven't tried that yet, but that's how most folks phase 4-square antennas.

I'm sure others can elaborate on these points--and do a MUCH better job of explaining the details.

By the way, the 4BTV, in my opinion, is much better constructed than the CushCraft competition. The 4BTV I have has stood up for many a year--even through a few hurricanes. I cannot say the same for the CushCraft antenna here. The 4BTV uses nice stainless fittings and clamps; the Cushcraft used El Cheapo hose clamps. The CushCraft's top loading coil (serves as a choke on 40 meters) for 80/75 meter operation is far too physically small for high power and the high voltage it must withstand if you believe in the data sheet. Okay for QRP, of course.

Also, I presently have more than 3,000 feet of wire under my ground-mounted verticals, and I've just started scratching the surface (no pun intended), in terms of an effective ground. Some of my #12 copper wires are bare and buried. Others are insulated and are on the top of the turf, held down with coathanger "staples." The latter disappear into the turf, along with the wire they hold down, as the grass grows. It's uncanny to see all this junk wire literally disappear into my garden. My friend N1HTT says someday someone will be digging out there and come across all this wire--and wonder!

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Nils R Young

Sent: Tuesday, February 01, 2000 2:37 PM

To: Low Power Amateur Radio Discussion

Subject: Responses to my 4BTV & vertical antenna queskins

Kamaraden,

Ok, I've gotten a handful of responses to my 4BTV question with a lot of experiences tossed in that end up with this kind of spread:

-- A vertical antenna is cool, but if you're gonna spend the money, take that converted CB vertical base mounted doodad & put an LDG tuner at the bottom of it. Then you'll have an antenna that covers everything with wide bandwidth.

-- Why mess with the aluminum. Hang a vertical dipole up & feed it with open wire line and a tuner. (This sounded a lot like what I did last year

at the beach . . . but that's another story . . .)
-- The 4BTV is as cool as any other. Just do it!
-- Get a GAP antenna. Check the wind loading of your area & plan accordingly.
-- Get an R7000. Get two. Phase 'em.
-- Get a (fill in the brand and model name your favorite vertical of experiential necessity here).
-- Don't waste your time & money. Put up a MAN's ANTENNA! Full size dipoles at 150 ft! Yeah! Who's yer daddy!

What's interesting here is that the one suggestion (the LDG tuner thingie) costs about what it would cost for me to put up a 4BTV. About \$120, not counting \$41 for the 30m add-on. And shipping.

The suggestion about a vertical dipole is also interesting, although it would only be about 10 ft on a leg the way I'd have to hang it, with consideration given to the lay out of the yard & other naturally occurring mounting stuff. At the beach last summer I had about 10m of wire in the air on the German fiberglass pole with a chunk of wire hanging down under the deck (about 6 or 8 ft of it) that got stuck into the wet sand & two "radials" that I laid out on the wet beach sand sea-ward of the beach house. I ran a couple wires out to the pole & to the ground stuff, but it wasn't exactly "parallel" open wire feed.

So it appears my choices are about as infinite as my question was broad. But in order to let my heels cool & the money burnin' a hole in my pocket (as if!) to go out, I'll consider all this while Cindy & I fly down to Orlando to visit Mickey Mouse & nominally celebrate 26 years of her puttin' up with my garbage in the house.

Thanks to all who responded for your suggestions & comments. Good vision always preceeds my irrational wonderings. I've got the converted CB doodad. I have the mast. I have the screw driver & some wire. Hmmm . . .

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes

<http://home.fiberia.com/wb8ijn> -- W8IJN --

<http://members.xoom.com/nilsbull>

"In my day you had to FIGHT to have oligarchs! Every day was a STRUGGLE!

-- Comrade Sergei Nikolaevich McTovarishov --

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 1 Feb 2000 15:06:03 -0700
From: Bob Nielsen <nielsen@primenet.com>
To: qrp-1@lehigh.edu
Subject: [61840] Re: Distorted CW from bugs
Message-ID: <20000201150603.H23448@bob.localnet>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On Tue, Feb 01, 2000 at 09:34:03AM -0600, Gary Lee Phillips wrote:

> T.J. has a good point about bugs having a lower speed limit.
> This is part of the design, and many won't go down to 20wpm
> or slower. But some will. The odd "Skillman" I have gets down
> to 15 or so when adjusted carefully. I've never seen another
> like it, have no idea how old it is or anything. The works
> are contained in a shallow, weighted, box base and there is
> a plastic dust cover (transparent) that sits over them. The
> actuating lever is a smooth plastic or bakelite paddle rather
> than the asymmetric design with a knob on the side used by
> Vibroplex.

I bought my Vibroplex while working getting my speed up to 13 wpm for the General exam (47 years ago). I found that by adding additional weight (attached under the set screw on the existing weight) I was able to get it down to 8 wpm or so.

>
> Just because you can't slow your Vibroplex dit rate below
> 20 wpm doesn't mean you can't use a bug to send 10 wpm, but to
> do so you have to use the "Farnsworth" method advocated by
> the ARRL. The character timing stays at 20 or whatever the bug
> is set for, but you increase the spacing between the letters
> and words to slow down the overall rate of transmission. I do
> believe this is valuable for us slow learners, because it still
> encourages hearing letters and words as whole sounds.
>
> When I worked more CW (mostly digital these days, RTTY, packet, etc.)
> I spent a lot of time in the novice/tech subbands just because I
> don't enjoy QRQ morse. It makes me feel pressured, I think. But
> I used to keep both a straight key and the bug connected in parallel.
> That way I could switch between them if necessary to QRS enough for
> a real slow beginner.
>

> Which brings up a side topic. I hear lots of people discussing the
> merits/demerits of various bugs and electronic keyers, but little
> talk about the straight key. Now I think straight keys have a lot
> of esthetic in themselves, even though I don't collect them
> personally. The one I use is probably from Radio Shack, I think
> it is a replica of some military surplus design. It has a brass
> oval base about 3 inches long and isn't heavy enough to use unless
> it is screwed down to a wooden base or the desktop. The knob is
> flat on top (is that what they call a "navy" knob or is it the
> opposite?) and there is one of those useless shorting levers
> that locks the key closed (a holdover from landline telegraphy?)
>

That sounds like a J-38. The navy knob is somewhat larger than the stock knob and has an additional flat surface (like a thick washer) at the bottom of the "knob".

--

Bob Nielsen, N7XY (RN2)
Tucson, AZ DM42nh QRP-L #1985

nielsen@primenet.com
<http://www.primenet.com/~nielsen>

Date: Mon, 31 Jan 2000 05:09:38 -0000
From: "Walt Amos" <k8cv@netzero.net>
To: "Qrp-l Posts" <qrp-l@lehigh.edu>
Subject: [61841] Ah filters !! The cat is in the cat box on this one!
Message-ID: <000801bf6d02\$330e4a80\$bcea5aa6@waltk8cv>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Inquiring minds:

There are filters and then there are filters! Take the ICOM 250 Hz filters, only one fits the 706 because of the 9.0106 IF and it is not a crystal but a ceramic filter, little itty bitty thing but it cost is not itty bitty. Shape factor? Probably 4:1! So it is really 250 Hz only at 6 dB which is a very weak signal and any LOUD (60 dB) signal 1 KC away will still be heard. That is the 9.0106 if filter, now they also make a genuine crystal filter for the 455 IF but that is NOT usable in the 706, but has a 2:1 shape factor so gets rid of close in interference MUCH better. Cascade the two and even better! (quad conversion)

Now the sales pitch!

I have both (FL-101 and FL-53A) and will sell them for 33% off the going price in AES or HRO !

Walt K8CV Royal Oak, Michigan K-2, original knob and I sneak out to the shack late at night and worry about the PA option!

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Date: Tue, 1 Feb 2000 17:18:12 -0500
From: "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
To: <ai2q@ispchannel.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61842] Re: Responses to my 4BTV & vertical antenna queskins
Message-ID: <004301bf6d02\$323f3ab0\$0102050a@4002>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This elaborate discussion as to why "NILS CANT" make
phased verticals work is BULL; -- pun intended

I've been using the same set of 33 ft high 33 ft spaced phased verticals
on all bands 40 and higher and I can tell you THEY WORK FB
<http://w3.one.net/~gentzow/vert-x2.htm>

There may be 1001 technical reasons why MY ANTENNA SETUP is not perfect
BUT it works for me :-)

No offense Alex, but I use this setup on 40 and 20 very effectively.
You should see the difference in dB when I switch the phase line.
and I only use 10 radials on each antenna.

FLAMES WELCOME :-)

73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"
Loveland, Ohio - near Cincinnati; 39.218N - 84.305W
FPqrp/-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493
<http://w3.one.net/~gentzow/wb8qyy.htm>

----- Original Message -----
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, February 01, 2000 5:04 PM

Subject: RE: Responses to my 4BTV & vertical antenna queskins

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> Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

>

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> Nils R Young

> Sent: Tuesday, February 01, 2000 2:37 PM

> To: Low Power Amateur Radio Discussion

> Subject: Responses to my 4BTV & vertical antenna queskins

>

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> Nils
> -----
> Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
> Sonrientes
> <http://home.fiberia.com/wb8ijn> -- W8IJN --
> <http://members.xoom.com/nilsbull>
> "In my day you had to FIGHT to have oligarchs! Every day was a STRUGGLE!
> -- Comrade Sergei Nikolaevich McTovarishov --
>
>
> -----
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> <http://dl.www.juno.com/get/tagj>.
>

Date: Tue, 01 Feb 2000 13:13:20 -0600
From: Richard Matthews <prm@hiwaay.net>
To: w5jay@alltel.net, qrp-l@lehigh.edu
Subject: [61843] Re: XCVR: NC20 mods question...Why tantalum cap?
Message-ID: <3.0.1.32.20000201131320.00bca7a0@hiwaay.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Is the hiss in the sidetone or in the received signal?

I have just a bit of hiss/click in my DSW-30 sidetone that is not in my DSW-40

Richard, WA4NWW

At 01:05 PM 2/1/00 -0600, you wrote:

>Alan,
>I used an electrolytic till I got a tantalum cap. No difference in
>performance here. I just like the looks of the tantalum better and I think
>they usually hold their tolerance better than the electrolytics. For me as
>a headphone op the hiss filter mod is a must have on the NC-20!!
>73 de w5jay..

Date: Tue, 01 Feb 2000 13:09:09 -0600
From: Richard Matthews <prm@hiwaay.net>
To: cqdx@teleport.com, qrp-1@lehigh.edu
Subject: [61844] Re: Good CW/Bad CW
Message-ID: <3.0.1.32.20000201130909.00bcb100@hiwaay.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

John has a good point, especially for us QRPers. Many of our contacts are not "chat" quality and many of us want to make a new contact and just meet another ham where ever he may be across the globe. For most of my QRP and for sure my QRPP QSOs, we are lucky to get all the basics exchanged before QRM or QSB cuts the contact short. For a real solid chat mode, I guess we should raise the power to match condition levels, except in my case, the most powerful rig in the shack is just 2.5 watts.

My last three contacts have been at 300mw and all over 1000 miles per watt, you don't get too much chance for a long chat with that arrangement. But the op on the other end sure does have fun knowing he is communicating with not much more than a tuna can with some wire in it. But, one of those contacts did last for 45 minutes, until my J-38 lost it's adjustmentor maybe my fist just gave out.

John, I'd say there are a bunch of us out there who may chat on occasions, but the big thrill is the contact and seeing our homebrew, tiny equipment

do its job.

It's kindly like crappie fishing, I catch'um, see what a fine catch they are, and usually throw them back so's I can catch another'nI don't spend a whole lot of time chatin' with'um :-)

73,

Richard, WA4NWW on the banks of the Tennessee River in Northern Alabama, where it's almost crappie season.

At 10:48 AM 2/1/00 -0800, you wrote:

>

>This may be fine for you extroverts out there but I've always enjoyed just
>exchanging a minimal of info and logging the contact. I don't need to know
>much more...and I'm happy. So CW can be fun...without chatting...if that's
>where it's at for you. It is for me, and has been for 33 years.

>

>73 John K7FD, Fists 2420, QRP ARCI 8193

Date: Tue, 1 Feb 2000 17:27:19 -0500
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: <wb8qyy@one.net>
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [61845] RE: Responses to my 4BTV & vertical antenna queskins
Message-ID: <000001bf6d03\$811304e0\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for your note Dieter! And for a terrific and informative Web presentation at your site. No flames necessary.

However, in my note to Nils you'll see that I said "properly." Like you, I also observe a nice, and extremely useful, F/B ratio on my vertical array. But, it could be better--and has taken a lot of work to get where it is right now!

If received wavefronts are at a low angle, I see as much as 15 dB of F/B--which is useful to eliminate QRM and noise from storms, splatter, etc. off the back. Also, because my reference doublet runs E-W, my verticals are

always better than the dipole when the "beam" is pointed west. It's also a lot of fun to throw a switch and "swing the beam." Very impressive.

Nope. It most certainly is NOT perfect--nor is it "textbook."

How will you arrive at the radiation plots?

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

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> accordingly.

> -- Get an R7000. Get two. Phase 'em.

> -- Get a (fill in the brand and model name your favorite vertical of
> experiential necessity here).

> -- Don't waste your time & money. Put up a MAN's ANTENNA! Full size
> dipoles at 150 ft! Yeah! Who's yer daddy!

>

> What's interesting here is that the one suggestion (the LDG tuner
> thingie) costs about what it would cost for me to put up a 4BTV. About
> \$120, not counting \$41 for the 30m add-on. And shipping.

>

> The suggestion about a vertical dipole is also interesting, although it

> would only be about 10 ft on a leg the way I'd have to hang it, with
> consideration given to the lay out of the yard & other naturally occurring
> mounting stuff. At the beach last summer I had about 10m of wire in the
> air on the German fiberglass pole with a chunk of wire hanging down under
> the deck (about 6 or 8 ft of it) that got stuck into the wet sand & two
> "radials" that I laid out on the wet beach sand sea-ward of the beach
> house. I ran a couple wires out to the pole & to the ground stuff, but it
> wasn't exactly "parallel" open wire feed.
>
> So it appears my choices are about as infinite as my question was broad.
> But in order to let my heels cool & the money burnin' a hole in my pocket
> (as if!) to go out, I'll consider all this while Cindy & I fly down to
> Orlando to visit Mickey Mouse & nominally celebrate 26 years of her
> puttin' up with my garbage in the house.
>
> Thanks to all who responded for your suggestions & comments. Good vision
> always preceeds my irrational wonderings. I've got the converted CB
> doodad. I have the mast. I have the screw driver & some wire. Hmmm . . .
>
> 73
>
> Nils
> -----
> Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
> Sonrientes
> <http://home.fiberia.com/wb8ijn> -- W8IJN --
> <http://members.xoom.com/nilsbull>
> "In my day you had to FIGHT to have oligarchs! Every day was a STRUGGLE!
> -- Comrade Sergei Nikolaevich McTovarishov --
>
> -----
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!
> Juno now offers FREE Internet Access!
> Try it today - there's no risk! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.
>

Date: Tue, 1 Feb 2000 17:49:39 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [61846] Bugged by bugs
Message-ID: <200002012229.RAA13652@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

My, this has been quite a popular thread. I imagine delet keys have been working over time the last few days :-)

Well, I have enough trouble with paddles and a keyer, wouldn't even think about using a bug. I much prefer a straight key, as I can adjust my sending on the fly.

Oh well, I think I'll just put my snow shoes on and tromp a path in the 2 ft of snow that's collected over the last week or two. I tried to ski the abandoned RR tracks that start behind my shop last night and was a lot of work breaking trail! Maybe I'll find a spot near-by along the RR tracks to work FYBO Saturday. I don't know though, it's been wicked cold up here lately...

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Tue, 1 Feb 2000 17:31:07 EST
From: Wb8siw@aol.com
To: qrp-l@lehigh.edu
Subject: [61847] Re:%20Distorted%20CW%20from%20bugs
Message-ID: <68.1394230.25c8b8ab@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Gary Phillips asked about the origin of the "switch" on the side of a straight key,
so I thought I'd offer an accurate explanation.

The type of key described was patterned after the Western Union standard design. Contrary to popular belief, the "shorting lever" on the side is not a "tuning switch," although it certainly serves well in that capacity.

Landline Telegraph circuits operate on a loop principal (series circuit). One's key had to be closed in order to receive traffic. If the receiving operator missed a word or group, he would simply "break" the circuit by opening the switch on the side of the key. This is the origin of the term "breaking." The transmitting operator, upon hearing the break, would then close his key in order to receive the fill.

On the issue of the knob...The flat knob is from the standard style of key used on Landline circuits. The knob with a round "top" and flat "flange" at the base is a "Navy Style." I suspect this design arose during the era of

the spark transmitter, when a key was often in the primary of a high-voltage spark transformer. Therefore, this style of knob tended to keep the operators fingers away from the metallic parts of the key.

On the issue of bugs. Others have said it, but I'll add my two cents worth! An experienced operator with a properly adjusted bug can send code that is just as easy to copy as machine generated CW. No further evidence is required than all of those train dispatchers, press telegraphers, and others who transmitted tremendous volumes of text without a "break."

If a radio amateur wishes to use a bug properly, he must first set it up correctly, then he must practice for quite a period of time in order to "get it right." Unlike the electronic keyer, it takes some months to become truly proficient with a bug. However, this is easier than the violin, which takes years to learn how to play poorly.

I've used a bug for years (and I can use an electronic keyer) to transmit both International and American, as so far, no one has complained! hi.

73, Jim WB8SIW

Date: Tue, 1 Feb 2000 17:31:50 EST
From: QSLQ@aol.com
To: qrp-l@lehigh.edu
Subject: [61848] Re: Good CW/Bad CW
Message-ID: <ac.bffa1c.25c8b8d6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello group,

As an introduction:

I've been lurking on the list a couple of weeks. I was lost at first, now I only floundering. I'm studying for the novice (or whatever they'll call it now) and teaching myself code. Yes, I WANT to learn code! My handheld VHF buddies think I'm nuts! Yes, and I even miss the old TTY machines.

I'm learning alot just listening. Now I know what a K2 is and I finally figured out who the heck ELMER is!

I've been taping myself sending code. I guess its like hearing your voice on tape, you just don't realize how bad you sound. IT HAS BEEN A GREAT HELP!

Dave

Date: Tue, 1 Feb 2000 15:47:42 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <hamjoel@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61849] Re: Converse while Sending/Receiving CW
Message-ID: <004101bf6d06\$5a4d25e0\$1fd8070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sounds like an old guy in Vermont who had a rig that I couldn't figgured how it worked as no covers and full of dust, but this guy would carry on a conversatioon while half loaded and just reach up and tickle his vibroplex when it was his turn just amazing 72 Cal KF7ET/missed placed Vermonter in Idaho

----- Original Message -----

From: <hamjoel@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, February 01, 2000 11:59 AM
Subject: Converse while Sending/Receiving CW

> excuse me please? I'll be brief
>
> Back in Louisiana my neighbor, w5zr, used to sit and chat with me while
> he worked dx on twenty meters cw.... he was still doing this when I left
> in '93.... so it is being done and has been done for a long time. He is
> the best cw op I have had the priveledge to meet.. really nice guy...
> Joel KE1LA
> In Maine
>
>

> YOU'RE PAYING TOO MUCH FOR THE INTERNET!
> Juno now offers FREE Internet Access!
> Try it today - there's no risk! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.
>

Date: Tue, 1 Feb 2000 17:46:47 EST
From: Richard S McKee <kc8aon@juno.com>
To: qrp-l@Lehigh.EDU, heath@listserv.tempe.gov
Subject: [61850] HW-8 Needed

Message-ID: <20000201.175206.4567.10.kc8aon@juno.com>

I have a friend who is not on the list, and is looking for a Heathkit HW-8. Email him direct if you have one for sale, if I get the message and forward it to him, they are always sold before he can reply. Also, if you could please include your phone number and type your message in all capital letters as he is slightly sight impaired. His name is Anuel, his call is WA80QZ and his email address is below.

anuelcaserta@webtv.net

Thanks in advance !

73...Rick McKee KC8AON { CW lives as long as I do ! }
Willow Wood, Ohio
AR QRP # 269
QRP-L # 2112
ZOMBIE # 718

Date: Tue, 1 Feb 2000 17:00:54 -0600
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [61851] Bugs
Message-ID: <0974781F4FC8D211A24600902727E806011B1DDF@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I don't have anything against bugs. Just keep 'em outta my programs and off the pic-nic table!

Hal

Date: Tue, 1 Feb 2000 17:20:32 -0600
From: "Jay Bromley" <w5jay@alltel.net>
To: <qrp-l@Lehigh.EDU>, <elecraft@qth.net>
Subject: [61852] K2 milli-wattting with AK7Y
Message-ID: <00da01bf6d0a\$f0589160\$619b66a6@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

I went home for lunch and thought about firing up the K2 for a QS0, something I rarely do because I don't want to leave once a great QS0 is started. So I called CQ on 12 meters with 70 milliwatts and had a KF2 call, but never heard him again after my first transmission. Nice fist and on a bugg too, grin.

Anyway I started to band hop and noticed something new about my K2. When you move the power control down from say 1 watt to the lowest the pot will go, the lowest output my on my K2 is around 70 milliwatts with the new software (With the old software it was around 30 milliwatts). However if you leave the pot all the way down and change bands the power goes into the single milliwatt range or lower, very neat. Has anyone else noticed this? It may have been talk about before and I missed it. I'm sure it has to do with software sampling and available memory, etc. Anyway Eric and Wayne please don't fix this, enhance it if you can!!

Well I was playing with my WBL and the test osc feature on the K2 that I read about recently on the Elecraft reflector. I never could figure out how to get it out of test mode so I powered the K2 down and back up. Then pointed the beam out west were I always can find one of those AZ Scorpion Dudes and called CQ. Wow, AK7Y, Greg came right back with a 20 over 9 signal. My S meter is an unmodified Beta test unit. I got a 559 and gave him a 599. Greg had a weird echo on him which was neat, except for having to go back to work. Greg also had a great fist and you can tell he is one of those bad boys ready to crank the speed up if you give him a chance, I am glad I didn't though. Thanks Greg for going my speed!!

I used to milliwatt with the TS950sdx all the time because it was the only rig I own besides the NC-20 that would go down into single digit milliwatt range. The TS-870 goes down to about 100 milliwatts before it stalls out. To say I am excited about finding out how to go lower on the K2 would be an understatement. I've been pumped all afternoon about having a great milliwatt contact on the K2. I hope this is not a fluke because the K2 has a lot better break-in than my rice machines and is more fun to use. Now if I can just finish the 160m module and get the SSB unit installed. I hope Jim Hale doesn't see this, grin!

73 de w5jay..

Date: Tue, 1 Feb 2000 17:25:03 -0600
From: "Jay Bromley" <w5jay@alltel.net>
To: <qrp-1@lehigh.edu>, "Richard Matthews" <prm@hiwaay.net>
Subject: [61853] Re: XCVR: NC20 mods question...Why tantalum cap?
Message-ID: <010c01bf6d0b\$925e88c0\$619b66a6@default>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>From the LM-380 big boy audio chip.
73 de w5jay..

>
> Is the hiss in the sidetone or in the received signal?
>
> I have just a bit of hiss/click in my DSW-30 sidetone that is not in my
DSW-40
>
> Richard, WA4NWW
>
>
> At 01:05 PM 2/1/00 -0600, you wrote:
> >Alan,
> >I used an electrolytic till I got a tantalum cap. No difference in
> >performance here. I just like the looks of the tantalum better and I
think
> >they usually hold their tolerance better than the electrolytics. For me
as
> >a headphone op the hiss filter mod is a must have on the NC-20!!
> >73 de w5jay..
>
>

Date: Tue, 01 Feb 2000 18:32:21 -0500
From: Rick Sealey <rsealey@InfoAve.Net>
To: qrp-l@lehigh.edu
Subject: [61854] Re: Converse while Sending/Receiving CW
Message-ID: <4.1.20000201180838.0185b730@mail.infoave.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 01:59 PM 02/01/2000 -0500, you wrote:
>excuse me please? I'll be brief
>
> Back in Louisiana my neighbor, w5zr, used to sit and chat with me while
>he worked dx on twenty meters cw.... he was still doing this when I left
>in '93.... so it is being done and has been done for a long time. He is
>the best cw op I have had the priveledge to meet.. really nice guy...
>Joel KE1LA
>In Maine

Yep, me too, Joel. Long time friend, N4X0, will be poundin' away at 35-40 wpm when a couple of us walk into his shack and start jawin' at him. He doesn't miss a dit on the air or a syllable in the room. I'm sure we've got some members that do this all the time without thinking about it and just don't mention it. Ron, Ed, Chuck?? Others??

Rick - W4SEA
High Point, NC

Date: Tue, 01 Feb 2000 14:47:27 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [61855] PROP: No point in checking 10 meters...or is there?
Message-ID: <3897708F.41D3CC97@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, just look at these figures:

SFI=138 down from 139 | A=7 | K=1 down from 3 at 2100 on 1 February.
SAF: low, GMF:
quiet to unsettled
Aurora Level: 5
More: <http://hfradio.org/propagation.html>

No point in checking 10 meters. There's nothing on 20 or 15 meters, so what's the point with the SFI at 138? But...maybe I should check anyway.

Much to my amazement at 2310Z on 1 Feb 2000:

ve7mty bc, kb3boe pa, ab8z oh, n7lt mt, VK3SIX VK3, ka1nsv va, NQ2RP NY, k9kxp il, and w3vd md.

These are largely QRP beacons. I could be working thousands of QRPers on 10 meters today! Well...maybe not thousands but at least one. :-)

Check 10 meters from time to time. I was surprised. If you are in these general areas, drop me a note if you want to work some day. I am often here and I am beginning to realize that Ten Meters is my salvation...especially across the north central and north east US.

73, Jim
Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>
Anchorage, Alaska <mailto:al7fs@qsl.net>
ICQ 11022915 (ICQ info at <http://www.icq.com/>)

Date: Tue, 1 Feb 2000 17:30:47 EST
From: Charles R Greene <cgreene7@juno.com>
To: nilsbull@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [61856] Re: 4BTV & vertical antenna queskins
Message-ID: <20000201.185327.-321341.1.cgreene7@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

On Tue, 1 Feb 2000 08:53:12 -0500 Nils R Young <nilsbull@juno.com>
writes:

I did too,maybe not 30 years ago, but about 20. Then a I got a kit
and converted it to a 6BTV. Still use it. Works fine. It has a few
radials
in the yard.

> Hi-dee ho!
>
> Many years ago . . . like nearly 30 (yipes!) . . . I went down to
> the
> local radio store (remember them?) and bought a 4BTV antenna & some
> RG8.
> I put the beast together, hosed it up to my SB401/301 set up & let
> fly
> some CQs. It seemed to work pretty well & it was nice to not have to
> sweat tuning things.
>
> Since that time, and after going through about 16 different antenna
> tuner
> designs, I've gotten a lot more critical about multiband anythings,
> let
> alone verticals. But I still think I remember them days of yore.
>
> At which point there's this: I'm thinking of getting a multiband
> vertical, mounting it on about 8 ft of mast pipe at one corner of
> the
> house for use with the K2 in the miniature radio room in the office

> from
 > Lilliput (as opposed to the full-fledged junk box collection in an
 > unheated outhouse set up). Which generates the next line . . .
 >
 > A question, then, for the masses: Anyone use a band-trap vertical &
 > like
 > it? Among the many out there, which seems to be the most reasonable
 > for
 > durability, lack of non-generic parts &c?
 >
 > And most important to me: How's the bandwidth? Am I looking at
 > something
 > that's dead miserable SWR (anything over 1.5:1 is bad to me) at band
 > edges? And can the bandwidth settings be changed? (As in: are there
 > optimum adjustment settings for phone versus CW bandwidths?)
 >
 > And does your version of whatever vertical need to be ground mounted
 > & if
 > so, how far off the ground before you have to start plonking out the
 > radials or "counterpoise" elements? (I ain't so interested in the
 > now-famous "but you gotta have radials" argument right now.)
 >
 > Now, I may not have money to do this, but I'd like to have my
 > irreverent
 > reveries & memories deflated before I start putting all the hardware
 > together.
 > -----
 > Nils R. Bull Young -- El Gringo Errante -- La Estancia de los
 > Guajolotes
 > Sonrientes
 > <http://home.fiberia.com/wb8ijn> -- W8IJN --
 > <http://members.xoom.com/nilsbull>
 > "In my day you had to FIGHT to have oligarchs! Every day was a
 > STRUGGLE!
 > -- Comrade Sergei Nikolaevich McTovarishov --
 >
 >
 > -----
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 > Try it today - there's no risk! For your FREE software, visit:
 > <http://dl.www.juno.com/get/tagj>.

Charles Greene
 Amateur Call W1CG
 Bristol, RI

End of QRP-L Digest 1718
